



# Hyshare Pro

A Wireless Presentation System  
WPS-HP201



**Operation Manual**



## DISCLAIMERS

The information in this manual has been carefully checked and is believed to be accurate. Cypress Technology assumes no responsibility for any infringements of patents or other rights of third parties which may result from its use.

Cypress Technology assumes no responsibility for any inaccuracies that may be contained in this document. Cypress also makes no commitment to update or to keep current the information contained in this document.

Cypress Technology reserves the right to make improvements to this document and/or product at any time and without notice.

## COPYRIGHT NOTICE

No part of this document may be reproduced, transmitted, transcribed, stored in a retrieval system, or any of its part translated into any language or computer file, in any form or by any means—electronic, mechanical, magnetic, optical, chemical, manual, or otherwise—without express written permission and consent from Cypress Technology.

© Copyright 2018 by Cypress Technology.

All Rights Reserved.

## TRADEMARK ACKNOWLEDGMENTS

All products or service names mentioned in this document are trademarks of the companies with which they are associated.

---



## SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply. Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.
- Please completely disconnect the power when the unit is not in use to avoid wasting electricity.

## VERSION HISTORY

REV.	DATE	SUMMARY OF CHANGE
RDV1	2022/07/11	Preliminary release



## CONTENTS

<b>1. Introduction</b> .....	<b>1</b>
<b>2. Applications</b> .....	<b>1</b>
<b>3. Package Contents</b> .....	<b>1</b>
<b>4. System Requirements</b> .....	<b>1</b>
<b>5. Features</b> .....	<b>2</b>
<b>6. Operation Controls and Functions</b> .....	<b>3</b>
6.1 Front Panel.....	3
6.2 Rear Panel.....	4
<b>7. Installation</b> .....	<b>5</b>
7.1 Wall Mounting.....	5
7.2 Cable Connection & Startup.....	5
<b>8. System Configuration</b> .....	<b>6</b>
8.1 Web Access.....	6
8.2 Web Landing Page .....	6
8.3 General Settings.....	8
8.3.1 Basic Tab.....	8
8.3.2 Resolution Tab.....	9
8.3.3 Date & Time Tab.....	10
8.4 Network Settings .....	11
8.4.1 Wi-Fi Tab .....	11
8.4.2 Ethernet Tab .....	13
8.4.3 Typical Configurations .....	14
8.5 Administration Settings .....	16
8.5.1 Update Tab .....	16
8.5.2 Password & Configuration Tab .....	17
8.6 Power Settings .....	18
<b>9. App And Web Browser Sharing</b> .....	<b>19</b>
9.1 Download the Hyshare Pro App .....	19
9.2 Operation of the Hyshare Pro App.....	19
9.3 Web Browser Sharing.....	23

---

9.4 AirPlay and Google Cast .....	24
9.4.1 AirPlay .....	24
9.4.2 Google Cast .....	24
<b>10. Osd Menu Operation .....</b>	<b>25</b>
10.1 Information Panel .....	25
10.2 Managing Multiple Shared Sources.....	25
10.3 Control Panel.....	26
10.4 Collaboration Features .....	28
10.4.1 Floating Menu.....	28
10.4.2 Save Screenshots .....	29
<b>11. Connection Diagram.....</b>	<b>30</b>
<b>12. Specifications .....</b>	<b>31</b>
12.1 Technical Specifications .....	31
12.2 Video Specifications .....	32
12.3 Audio Specifications .....	34
12.3.1 Digital Audio .....	34
12.3.2 Analog Audio .....	34
12.4 Cable Specifications .....	35
<b>13. Acronyms .....</b>	<b>36</b>
<b>14. Compliance Statements.....</b>	<b>38</b>
14.1 FCC Statement.....	38
14.2 FCC RF Radiation Exposure Statement..	39
14.3 Declaration of Conformity .....	39
14.4 WEEE .....	39
14.5 General Warnings.....	40
<b>15. Warranty Policy .....</b>	<b>41</b>
15.1 Warranty Period.....	41
15.2 Repairs Under Warranty.....	41
15.3 Exclusions from Warranty.....	42

---

## 1. INTRODUCTION

The Hyshare Pro is a high-performance Wireless Presentation System, which provides a smooth wireless screen-casting experience, letting the users free themselves from messy cables and complicated systems. With its simple installation and setup, users can easily share their presentations and screens in meetings or classrooms. Hyshare Pro comes with a user-friendly app interface as well! Just launch it on a host computer, smart phone or tablet and the user can show their presentation instantly. Hyshare Pro supports cross-platform collaboration and communication, including Windows, macOS, Android, and iOS systems.

## 2. APPLICATIONS

- Meeting room collaboration
- Interactive classrooms

## 3. PACKAGE CONTENTS

- 1× Hyshare Pro Wireless Presentation System
- 1× 12V/2A DC Power Adapter
- 2× Antenna
- 1× Quick Start Guide

## 4. SYSTEM REQUIREMENTS

- Desktop computer or mobile phone/tablet source device.
- Desktop computers must be running a Windows 10 (or later) or macOS 10.14 (or later) operating system.
- Mobile phones and tablets must be running an Android 8.1 (or later) or iOS 12 (or later) operating system.
- HDMI receiving equipment such as an HDTV or monitor.



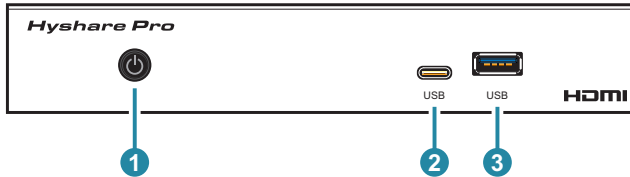
## 5. FEATURES

- Supports up to 4K@30Hz video output.
- Entire desktop/screen or specific window sharing via browser (Chrome or Edge) or dedicated app.
- Multiview output can display up to 4 sources simultaneously with manual user control over layout placement.
- Supports optional 4-digit connection code and data transfer encryption to protect shared screen content.
- Supports up to 20 users connected to a single Hyshare Pro unit.
- Includes collaboration tools, including screen capture, annotation, and whiteboard functionality.
- Able to remotely monitor the Hyshare Pro unit's video output through use of the app on a source device.
- Touchback capability allows a connected computer to be controlled from the shared output on a touch display.
- Moderation mode allows management of which source devices are currently shown on the video output via the unit's OSD.
- Supports WPA2 and 802.1x EAP for secure Wi-Fi connections.
- Compatible with many modern operating systems, including: Windows (10+), macOS (10.14+), Android (8.1+), and iOS (12+)
- Easy control and configuration of the unit via WebGUI.
- 3 year warranty



## 6. OPERATION CONTROLS AND FUNCTIONS

### 6.1 Front Panel



- 1 Power Button:** Press this button to power the unit on (blue) or place it into stand-by mode (red). If the unit has been placed into suspend mode, via the WebGUI, the LED will be off.

*Note: To factory reset the unit, press and hold the power button for 6~7 seconds (a reset warning message will show on the video output after 3 seconds).*

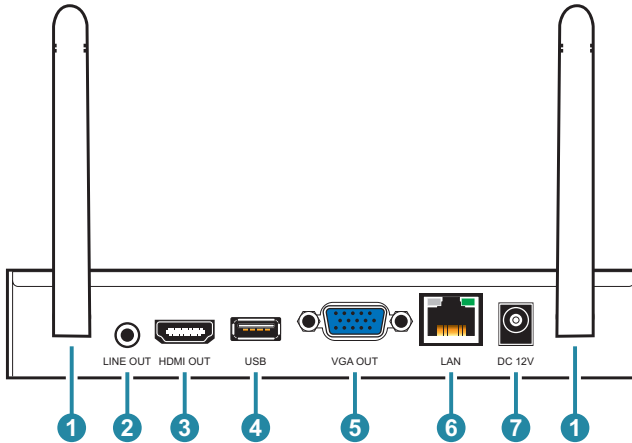
- 2 USB 3.0 (Type-C) Port:** Connect directly to a USB-C external storage device, such as a USB flash drive, for the storage of screenshots, etc.

*Note: This port only supports the connection of a mouse, flash drive, or touch panel. Keyboards and external hard drives are not supported.*

- 3 USB 3.0 (Type-A) Port:** Connect directly to a standard USB peripheral such as a mouse to control the OSD mouse pointer or to a flash drive for the storage of screenshots, etc.

*Note: This port only supports the connection of a mouse, flash drive, or touch panel. Keyboards and external hard drives are not supported.*

## 6.2 Rear Panel

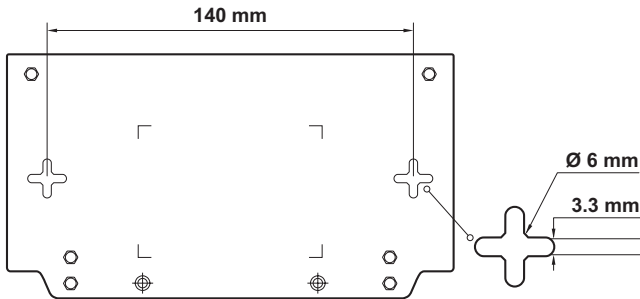


- 1 Antenna Connections:** Connect to the provided antennas by carefully screwing them onto these 2 ports.  
*Note: The antennas should be oriented so as to be perpendicular to the preferred Wi-Fi broadcast plane.*
- 2 LINE OUT Port:** Connect to powered speakers, headphones, or an amplifier for analog stereo audio output.
- 3 HDMI OUT Port:** Connect to an HDMI TV, monitor, or amplifier for digital video and audio output.
- 4 USB 2.0 (Type-A) Port:** Connect directly to a standard USB peripheral such as a mouse or touch panel to control the OSD mouse pointer.  
*Note: This port only supports the connection of a mouse, flash drive, or touch panel. Keyboards and external hard drives are not supported.*
- 5 VGA OUT Port:** Connect to a VGA monitor or display for analog video output.
- 6 LAN Port:** Connect directly, or through a network switch, to your PC/ laptop to control the unit via WebGUI.  
*Note: If the connected network switch supports the 802.3af PoE (Power over Ethernet) standard, this unit can be powered directly via this port.*
- 7 DC 12V Port:** Plug the 12V DC power adapter into this port and connect it to an AC wall outlet for power.  
*Note: Optional, not needed if the unit is powered via PoE.*

## 7. INSTALLATION

### 7.1 Wall Mounting

**Step 1)** Drill two screw starter holes into the mounting wall with 140mm space between them, as shown in the image below. Use screw anchors if needed.



**Step 2)** Drive a screw into each hole, leaving a small gap between the wall and the screw head.

**Screw Head Diameter:** Between 5.5 ~ 6 mm.

**Screw Rod Diameter:** Less than 3.3 mm.

**Step 3)** Carefully hang the unit on both screw heads by fitting them into the cross-shaped holes on the back of the unit, and slide it downwards until it is fixed in place.

*Note: Suggested height of wall mount is lower than 3 meters.*

### 7.2 Cable Connection & Startup

**Step 1)** Connect to a display with an HDMI or VGA cable.

**Step 2)** Plug in the power supply (or connect the Ethernet cable, if powered via PoE). The unit's boot logo will show on the screen.

**Step 3)** Plug in a USB mouse, or USB cable connected to a touch-capable display, to activate the onscreen mouse functionality. (Optional)

*Note: The default video output is HDMI only. If necessary, change the video output to "HDMI and VGA" through the WebGUI.*

## 8. SYSTEM CONFIGURATION

### 8.1 Web Access

**Step 1)** Make sure your computer and the Hyshare Pro are both connected to the same network, either through a wired Ethernet connection (via a local network switch), or through the unit's Wi-Fi network.

*Note: The Hyshare Pro's default SSID is "WPS-HP210-xxxx" where xxxx is the last 4 characters of its MAC address and the default Wi-Fi password is "00000000".*

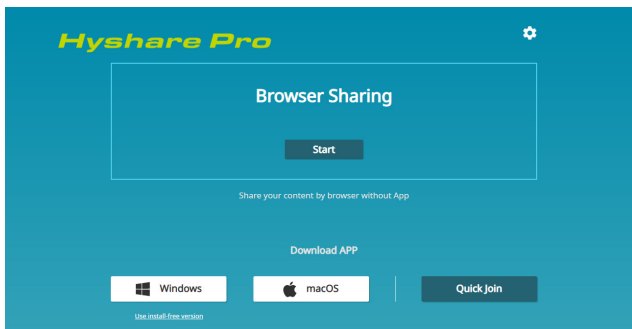
**Step 2)** Find the Hyshare Pro's IP address by connecting it to an HDMI display and checking the upper left corner of the OSD.

**Step 3)** Type the IP address into your computer's web browser.

*Note: Depending on the browser version used, it might be necessary to accept a security exception to access the page.*

**Step 4)** You should now see the Web Landing Page.

### 8.2 Web Landing Page



**1) Administrator Login:** Click the gear icon ( ) in the upper right of the screen to login to the unit as an administrator and access the configuration pages.

*Note: The default administrator password is "admin", and it is strongly suggested to change the default administrator password the first time you configure your unit. You will be automatically logged out if idle for 15 minutes.*

- 2) **Browser Sharing:** Click on the “Start” button in the middle of the screen to connect to begin sharing your desktop to the currently connected unit.

*Note: Browser sharing is not available if the unit is in “Moderation Mode”.*

- 3) **Download App:** Download the app for the preferred operating system.

*Note: Operational details for the app are provided in Section 9.*

- **Windows:** Click the “Windows” button to download the install file for the standard app for use on Windows PC. Save the file (\*.msi format), to an easily findable location, and then execute it to install the software.
- **Windows Install-free Version:** A special self-contained version of the app, designed for use on PCs where installation is not an option, is also available. Click on the “Use Install-Free Version” link below the main Windows link to download the file (\*.exe format) and save it to an easily findable location.

*Note: The install-free version does not support the upgrade and quick join functions, and setting changes are not saved upon exit.*

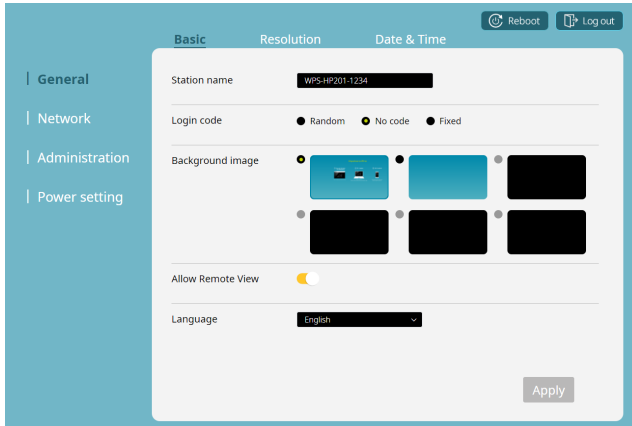
- **macOS:** Click the “macOS” button to download the install file for the standard app for use on Macintosh computers. Save the file (\*.dmg format), to an easily findable location, and then execute it to install the software.
- **Quick Join:** Clicking the Quick Join button will generate a shortcut file (\*.qj format) that can be saved in a convenient location (on the desktop, for example) that when double-clicked will automatically start the Hyshare Pro app and connect to the relevant Hyshare Pro unit.

*Note: Use of the Quick Join shortcut file requires the app to already be installed on the computer. Not compatible with the install-free version of the app.*

## 8.3 General Settings

### 8.3.1 Basic Tab

The Basic tab provides control over outward facing aspects of the unit, such as the unit's name, login code, OSD background, etc. Changes to this page will only take effect after pressing the "Apply" button and some changes may require the unit to reboot.



- 1) **Station Name:** The unit's display name shown on the standby screen and Hyshare Pro App's station list. It will also be used as the SSID (Wi-Fi name) for the wireless access point.

*Note: The name can be up to 16 characters long, and must be ASCII text (limited to letters, numbers, or the hyphen character).*

- 2) **Login Code:** Set the numerical code, if any, that must be entered to share a screen on the unit.

*Note: This code will be displayed on the unit's OSD.*

- **Random:** Login code requirement enabled, randomly generated 4-digit number.

*Note: A new code will be generated when the unit is rebooted or when the sharing screen is disconnected.*

- **No Code:** Login code requirement disabled.
- **Fixed:** Login code requirement enabled, user assigned 4-digit number.

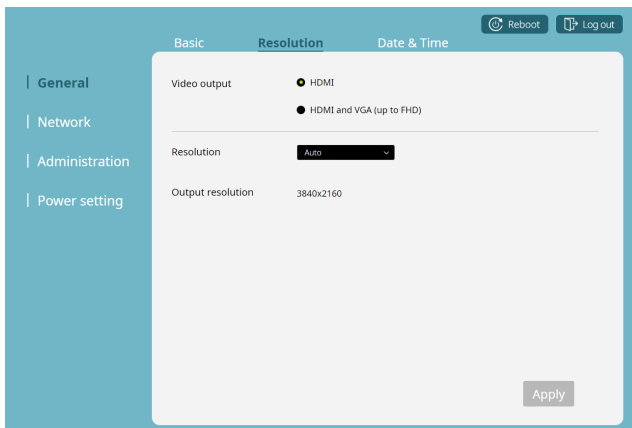
- 3) Background Image:** Select the background image to use on the output's OSD. The first 2 options are built in (and un-removable). Custom backgrounds can be uploaded or deleted by clicking on any of the remaining 4 image blocks.

*Note: The image format must be PNG or JPEG. A width/height ratio between 1.5~2.0:1 with a resolution below 3840x2160 is recommended.*

- 4) Allow Remote View:** Enabling this setting allows all users in the session to view the main screen via the Hyshare Pro App.
- 5) Language:** Use the dropdown to select the preferred display language for the unit's interface.
- 6) Reboot:** Click the "Reboot" button at the top of the screen to reboot the unit.
- 7) Log Out:** Click the "Log out" button at the top of the screen to log out of the administrator account and return to the landing page.

### 8.3.2 Resolution Tab

The Resolution tab provides control over the unit's video output. Changes to this page will only take effect after pressing the "Apply" button and some changes may require the unit to reboot.



- 1) Video Output:** Select the unit's video output mode. Output can be over HDMI only, or both HDMI and VGA.

*Note: When set to "HDMI and VGA", the maximum output resolution is 1080p.*

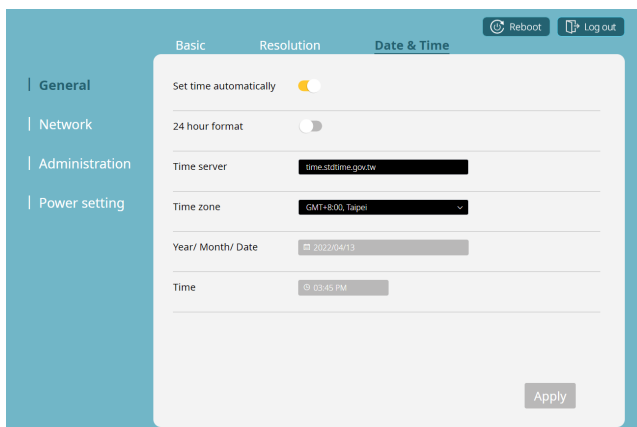
- Resolution:** Use the dropdown to select the preferred output resolution. This is set to “Auto” by default.

*Note: The available resolutions depend on the EDID of the connected monitor. When Video Output is set to “HDMI and VGA”, both outputs will use the same resolution.*

- Output Resolution:** Displays the unit’s current output resolution.

### 8.3.3 Date & Time Tab

The Date & Time tab provides control over the unit’s internal clock. Changes to this page will only take effect after pressing the “Apply” button and some changes may require the unit to reboot.



*Note: Time synchronization is necessary for screen sharing. Please ensure the date and time is set correctly on all involved devices.*

- Set Time Automatically:** Enable this to have the unit automatically set its time using the designated time server.
- 24 Hour Format:** Enable or disable the 24-hour clock display format.
- Time Server:** Set the network time server to use when the unit is configured to set the time automatically.
- Time Zone:** Use the dropdown to select the preferred time zone.
- Year/ Month/ Date:** Manually set the year, month, and day when “Set Time Automatically” is disabled.

*Note: When “Set Time Automatically” is enabled, editing is disabled and this field will only display the currently assigned date.*



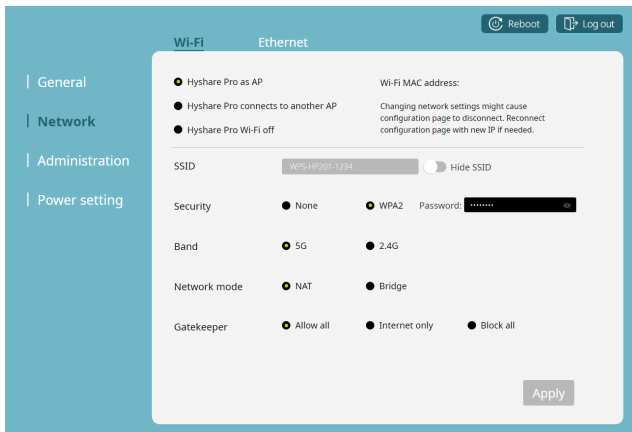
6) **Time:** Manually set the time when “Set Time Automatically” is disabled.

*Note: When “Set Time Automatically” is enabled, editing is disabled and this field will only display the currently assigned time.*

## 8.4 Network Settings

### 8.4.1 Wi-Fi Tab

The Wi-Fi tab provides control over how the unit integrates into the local wireless networking environment. Changes to this page will only take effect after pressing the “Apply” button and some changes may require the unit to reboot.



*Note: It is strongly recommended to connect to the unit via a wired LAN connection (See Section 8.4.2) when modifying the Wi-Fi configuration.*

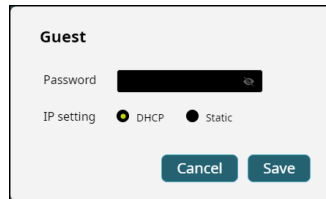
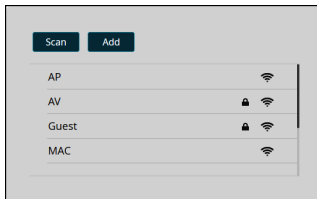
1) **Wi-Fi AP (Access Point) Configuration:** Select one of the 3 options to define how the unit’s Wi-Fi access is managed.

- **Hyshare Pro as AP:** The unit’s Wi-Fi will act as an independent wireless network access point allowing direct connections for screen sharing. It will announce an SSID (if not hidden) to facilitate easy discovery by local devices.
  - **SSID:** The name used by this unit to announce itself as a Wi-Fi access point. This will always match the unit’s currently assigned station name (See Section 8.3.1). If desired, the SSID can be hidden from public Wi-Fi scans.

- **Security:** Enable or disable WPA2 connection security. It is strongly recommended to always use WPA2 and it is enabled by default. The current password can be revealed by clicking on the “eye” icon. The default password is “00000000”.  
*Note: WPA2 passwords should be 8 to 16 characters long.*
- **Band:** Select the broadcast band (5GHz or 2.4GHz) for the Wi-Fi radio. 5GHz is set by default, and is recommended.
- **Network Mode:** Set the Wi-Fi network routing behavior of the unit. Selecting “NAT” will create an independent local subnet for connected devices. Selecting “Bridge” will make the unit’s network transparent and place connected devices into the parent network’s subnet. NAT is set by default.
- **Gatekeeper:** Select “Allow all” (default), “Internet only” or “Block all”. When the station is connected via a wired Ethernet cable, selecting “Allow all” will let the user access any point on the network; selecting “Internet only” allows the user to only access webpages (http or https); selecting “Block all” allows the user to only access the Hyshare Pro WebGUI.

- **Hyshare Pro connects to another AP:** The unit will connect to and use another local Wi-Fi network as the access point for connections and to obtain network access. Devices sharing their screens will need to connect to the same local Wi-Fi network.

- **Connecting:** Click on “Scan” to have the unit create a list of local access points. Once you find the access point you intend to use, click on it and fill in the requested information to complete the connection. If the network you want to connect to has a hidden SSID, you can click on “Add” to manually add it to the list.

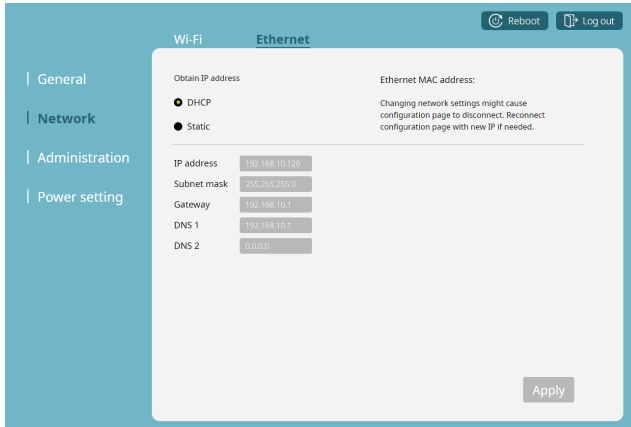


- **Hyshare Pro Wi-Fi off:** Selecting this completely disables the unit’s Wi-Fi radio. Access will only be allowed via the local Ethernet connection.

2) **Wi-Fi MAC Address:** Shows the MAC address used by the unit’s Wi-Fi radio.

## 8.4.2 Ethernet Tab

The Ethernet tab provides control over how the unit integrates into the local wired networking environment; specifically, how the unit defines the IP address used when accessing the WebGUI. Changes to this page will only take effect after pressing the “Apply” button and some changes may require the unit to reboot.



- 1) **Obtain IP Address:** Choose the method of defining the unit’s Ethernet IP address. Selecting “DHCP” will have the unit attempt to automatically obtain an IP address from a local DHCP server. Selecting “Static” allows the user to manually enter the preferred IP address information below.
- 2) **Ethernet MAC Address:** Shows the MAC address used by the unit’s Ethernet port.
- 3) **IP Address:** Displays the currently assigned IP address. In Static mode, manual entry is allowed.
- 4) **Subnet Mask:** Displays the currently assigned subnet mask. In Static mode, manual entry is allowed.
- 5) **Gateway:** Displays the currently assigned gateway address. In Static mode, manual entry is allowed.
- 6) **DNS 1 & 2:** Displays the currently assigned DNS addresses. In Static mode, manual entry is allowed.

*Note: In some network environments, both fields may not be filled in.*

### 8.4.3 Typical Configurations

**1) Hyshare Pro Standalone Wi-Fi Network (Default):** In this configuration the Hyshare Pro will operate as a wholly independent wireless access point with no access to a local network or the internet.

**Step 1)** Ensure the unit is connected to the same internal network as your computer via Ethernet cable and connect to the configuration page using a web browser.

*Note: The unit's IP address can be obtained from the OSD.*

**Step 2)** Log into the unit as administrator and browse to the Network/Wi-Fi page. Choose "Hyshare Pro as AP".

**Step 3)** Configure the Wi-Fi settings based on your preferences (in most cases, the default settings are fine).

*Note: It is strongly recommended to change the default WPA2 password (00000000).*

**Step 4)** Click the "Apply" button.

**Step 5)** Remove Ethernet cable from the unit.

**Step 6)** Connect to the unit's SSID via Wi-Fi on the device you wish to share a screen from and initiate sharing normally. (Please see Section 9 for more details)

**2) Hyshare Pro Uses the Organization's Wi-Fi LAN:** In this configuration the Hyshare Pro will connect to the organization's Wi-Fi and use it as the wireless access connection point.

**Step 1)** Ensure the unit is connected to the same internal network as your computer via Ethernet cable and connect to the configuration page using a web browser.

*Note: The unit's IP address can be obtained from the OSD.*

**Step 2)** Log into the unit as administrator and browse to the Network/Wi-Fi page. Choose "Hyshare Pro connects to another AP" and click the "Apply" button.

**Step 3)** Click on "Scan" and then select (and log into if necessary) the preferred Wi-Fi SSID from the provided list.

**Step 4)** After the connection is successful, remove the Ethernet cable from the unit. The new IP address will show on the OSD.

**Step 5)** Connect to the organization's Wi-Fi SSID on the device you wish to share a screen from and initiate sharing normally. (Please see section 9 for more details)

**3) Hyshare Pro Uses the Organization's Wired LAN:** In this configuration the Hyshare Pro's Wi-Fi is completely disabled and uses the organization's wired network as the connection point.

**Step 1)** Ensure the unit is connected to the same internal network as your computer via Ethernet cable and connect to the configuration page using a web browser.

*Note: The unit's IP address can be obtained from the OSD.*

**Step 2)** Log into the unit as administrator and browse to the Network/Wi-Fi page. Choose "Hyshare Pro Wi-Fi off" and click the "Apply" button.

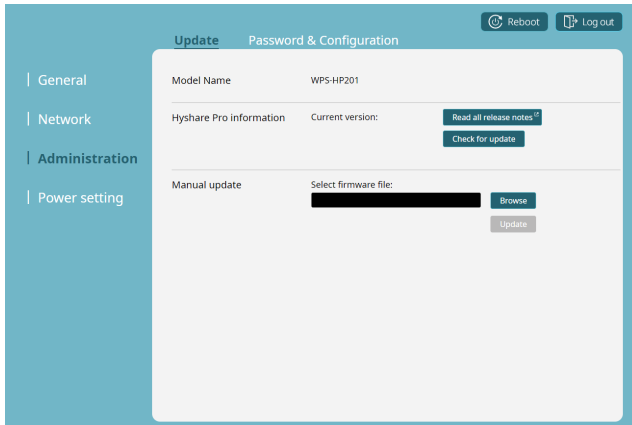
**Step 3)** Browse to the Network/Ethernet page and ensure that the unit is set to "DHCP".

*Note: In some cases, it may be appropriate or necessary to set the network mode to "Static" and configure the values manually. Please contact your organization's IT department if you are unsure.*

**Step 4)** Connect the device you wish to share a screen from to the organization's network and initiate sharing normally using the unit's IP address. (Please see Section 9 for more details)

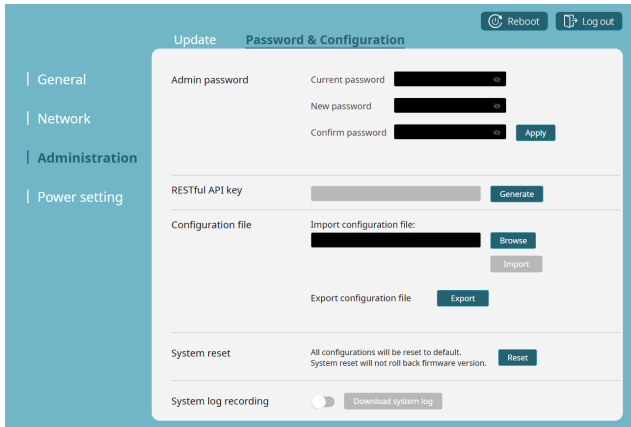
## 8.5 Administration Settings

### 8.5.1 Update Tab



- 1) Model Name:** Shows the model name of the unit.
- 2) Hyshare Pro Information:** Shows the current firmware version and provides links to the current firmware release notes as well as a link to check for new firmware updates. If new firmware version is available, after checking for updates, click the “Update” button and the unit will begin the automatic update process.  
*Note: The configuration pages will not be accessible until after the upgrade process has completed.*
- 3) Manual Update:** To manually update the unit’s firmware click the “Browse” button to open the file selection window and then select an appropriate firmware update file (\*.asg format) located on your local PC. After selecting the file, click the “Update” button to begin the firmware update process. Once the firmware update process has completed the unit will reboot.

## 8.5.2 Password & Configuration Tab



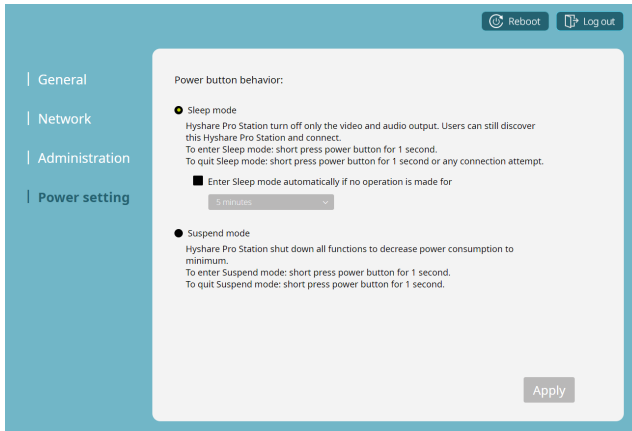
- 1) **Admin Password:** Provides a way to change the administrator password (up to 16 characters long). The current password can be revealed by clicking on the “eye” icon. The default password is “admin”.

*Note: It is strongly suggested to change the administrator password the first time you configure the unit.*

- 2) **RESTful API Key:** Click the “Generate” button to randomly generate a new REST API key for the unit to use when communicating with remote devices.
- 3) **Configuration File:** Import or export the unit’s system configuration file.
- 4) **System Reset:** Click on the “Reset” button to reset the unit back to its factory default settings.
- 5) **System Log Recording:** Enable or disable system log recording. Click on the “Download System Log” button to save a recorded log file to your local PC.

*Note: This feature is used for system or error diagnostics and should only be turned on if instructed to do so by a technical support technician.*

## 8.6 Power Settings



### 1) Power Button Behavior:

- **Sleep Mode:** In this mode the unit only turns off video and audio output. Users can still discover and connect the unit via the network.
  - **Enter Sleep Mode automatically:** Click this checkbox to enable automatic sleep mode. Use the dropdown to select the length of inactivity time to wait before going to sleep.
  - **To enter Sleep Mode:** Press the power button for 1 second.
  - **To exit Sleep Mode:** Press the power button for 1 second or connect to the unit via the network.
- **Suspend Mode:** In this mode the unit will shut down all functions, including network access, to decrease its power consumption to the minimum.
  - **To enter Suspend Mode:** Press the power button for 1 second.
  - **To exit Suspend Mode:** Press the power button again for 2~3 seconds.



## 9. APP AND WEB BROWSER SHARING

### 9.1 Download the Hyshare Pro App

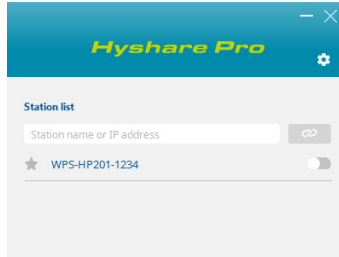
- 1) **Windows and macOS:** Downloadable from the unit's own web interface landing page. (Please see Section 8.2 for more details)
- 2) **Android and iOS:** Available directly from the Google Play and App Store. Search for "Hyshare Pro" directly from the relevant online storefront.



### 9.2 Operation of the Hyshare Pro App

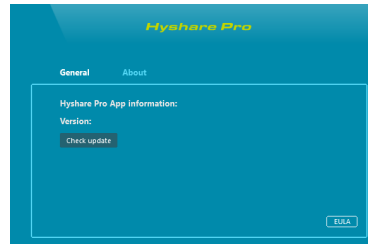
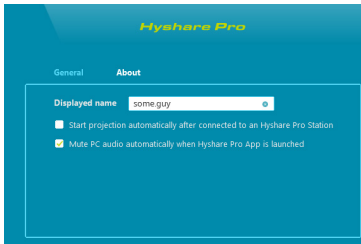
Aside from obvious differences in interface (mouse vs touch screen), the Hyshare Pro App effectively behaves the same across all platforms. If a specific function is not supported by all versions of the app, it will be noted below.

#### Typical Sharing Procedure:

- Step 1)** Launch the app.
- Step 2)** Once the start screen loads, it will list all Hyshare Pro units (Stations) detected within the local accessible networks.
- Step 3)** Click the slider to the right of the unit in the list you wish to connect to.
- Step 4)** Enter the unit's 4-digit login code. (Optional)  
*Note: This code will be visible on the unit's OSD, if it is required.*
- Step 5)** After successfully connecting, the interface will change to show the sharing controls.
- Step 6)** Click on the "Play" icon (▶) to begin sharing your screen directly or click on the "Window Sharing" icon (🖥️) to select between sharing the entire desktop, or only a specific window.
- Step 7)** To temporarily pause/freeze your shared screen, click on the "Pause" icon (⏸).
- Step 8)** When you no longer wish to share your screen, click the "Stop" icon (■) to stop sharing your screen.

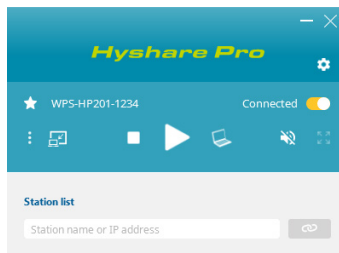


- 1) **App Configuration:** Click the “Gear” icon (  ) to change your display name, configure startup options, check the current App version, and update the software. On the mobile version of the app, these functions are accessed by clicking on the upper-left corner hamburger icon (  ).

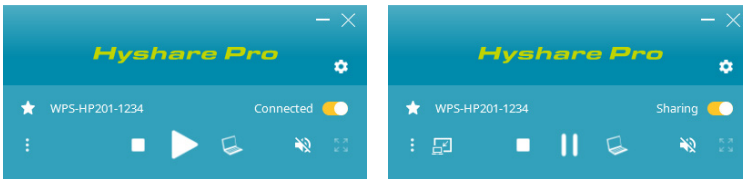


*Note: This app will automatically check for updates every time it is launched. If an update is available, a yellow exclamation mark will appear on top of the gear icon.*


- 2) **Search Bar:** Type in key characters to quickly find the specific Hyshare Pro station you want to connect to, or, if you know the IP address of the station already, you can type it in to connect directly to it.



- 3) **Station List:** All currently detected Hyshare Pro units (stations) within the local network will be displayed here. Clicking on the slider to the right of a station name will connect to that station and prepare for sharing. Once connected, the icons displayed will change and there will be a note saying “Connected”.
- 4) **Favorite Stations:** Users can mark frequently used Hyshare Pro stations as favorites by clicking the star-shaped “Favorite” icon (★) next to the station name. The marked station will always be prioritized in the station list.
- 5) **Play, Pause, and Stop Buttons:** When connected to a Hyshare Pro unit additional controls will appear. Click the “Play” icon (▶) to start sharing. While sharing, clicking the “Pause” icon (||) will freeze your projection on the last frame. Clicking the “Stop” icon (■), will instantly stop sharing the screen.

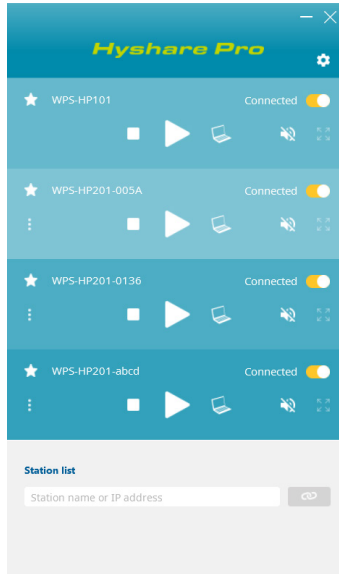


- 6) **Window Sharing (Windows/macOS):** You can choose to share only a specific application window or the entire desktop. Click the “Window Sharing” icon (🖥️) to make your selection.  
*Note: While window sharing is enabled, the shared window’s output will be frozen if the window has been minimized. Touch Back and audio functionality is not supported in window sharing mode.*
- 7) **Full Screen:** Click the “Full Screen” icon (⌘) to force your shared screen to switch between full screen and multiview.  
*Note: Only available when more than one source is being shared to the same unit’s output.*
- 8) **Mute (Windows/macOS):** Click on the “Audio” icon (🔊) to mute or unmute the audio of your source on the shared output.  
*Note: An audio driver is required for the macOS Hyshare Pro App to share audio. A yellow dot will appear on top of the Mute button if the audio driver is not currently installed. Click the Mute button to trigger the audio driver installation process. The Android Hyshare Pro App does not support audio transmission.*

- 9) **Remote View (Windows/macOS):** Click the “Remote View” icon (  ) to view the shared output in a window on your local computer.

*Note: Availability of this function can be disabled within each unit’s web configuration page. (Please see Section 8.3.1)*

- 10) **Multi-sharing (Windows/macOS):** The app can connect and share to up to 4 stations simultaneously. Users can choose to share the contents of different windows to each station.

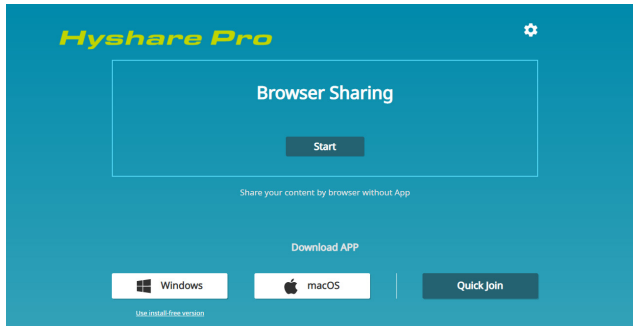


- 11) **Collapse and Expand Connected Stations (Windows/macOS):**  
When sharing to multiple stations, click the station name to collapse the presentation panel. Click again to expand.

## 9.3 Web Browser Sharing

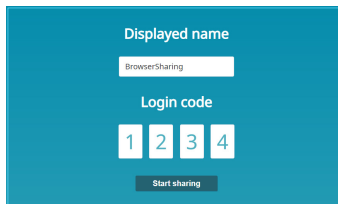
Sharing a computer's desktop, window, or browser tab can also be accomplished directly from the unit's WebGUI.

*Note: Web browser sharing is only available in Chrome and Edge browsers on Windows systems. Touch Back and audio functionality are not supported. This type of sharing is not available if "Moderation Mode" is active.*



**Step 1)** Connect to the unit's web landing page (See Section 8.1).

**Step 2)** Click the Browser Sharing "Start" button and you will be presented with the login page.



**Step 3)** Type in your preferred display name, and the unit's login code (if required), then click "Start Sharing".

*Note: The display name can be up to 20 characters long.*

**Step 4)** A new popup window will ask you select the type of sharing to use: Entire Screen, Window, or Tab.

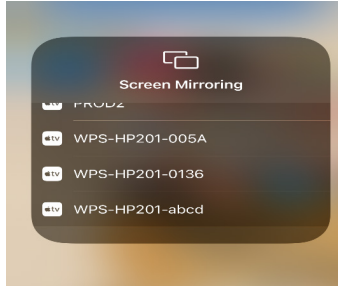
**Step 5)** After making your sharing type selection, click "Share" to begin sharing your screen.

**Step 6)** When you are ready to stop sharing, simply close the "Browser Sharing" tab, or click on the "Stop Sharing" button.

## 9.4 AirPlay and Google Cast

### 9.4.1 AirPlay

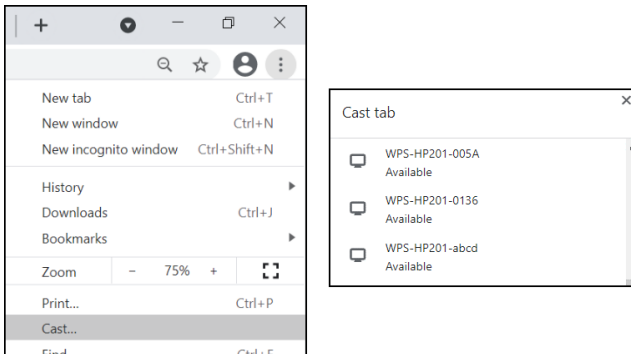
Make sure the AirPlay supporting source device and Hyshare Pro unit are connected to the same local network. Open device's Control Center, click on the Screen Mirroring icon, and then select the unit from the displayed list of targets. The screen or desktop will be shared immediately.



*Note: This feature is not available if the unit has "Moderation Mode" active.*

### 9.4.2 Google Cast

Google Cast support allows you to quickly share a single browsing tab from any supported Chrome web browser. Make sure the source device with the Chrome browser and the Hyshare Pro unit are connected to the same local network, open the Chrome system menu dropdown, click on "Cast" and then select the unit from the displayed list of targets. The tab will be shared immediately.



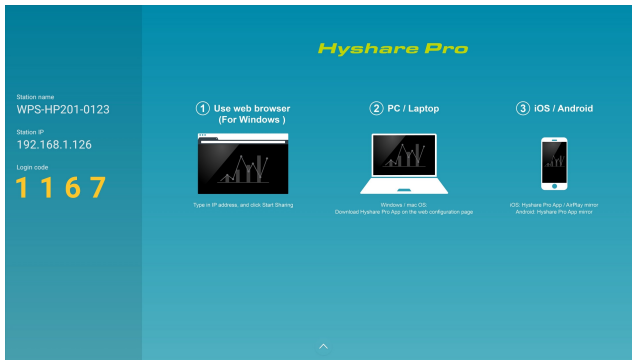
*Note: This feature is not available if the unit has "Moderation Mode" active.*

## 10. OSD MENU OPERATION

### 10.1 Information Panel

Information Panel is the first screen you will see over the HDMI output when the unit is powered on. The left side of the screen contains unit information such as: Station name, Station IP address, and the login code, if any has been configured. By default, the background image has an informational screen with basic connection instructions, but this can be replaced with a custom user background.

Navigation of the Information Panel is possible using when using a touch panel display, or if a USB mouse has been connected to the unit.



*Note: The contents of this screen can be configured through the web interface. (Please see Section 8.3.1)*

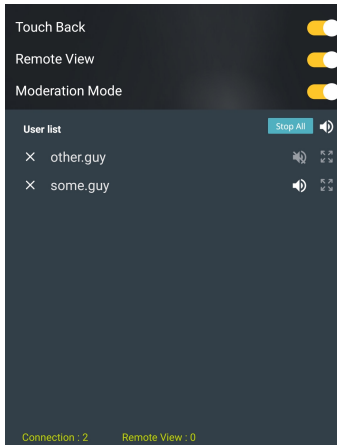
### 10.2 Managing Multiple Shared Sources

By default, shared contents from multiple sources will be automatically arranged on the screen in the order that they are shared. However, if a specific window order is desired this can be accomplished by simply selecting and dragging any window to a new location using a mouse, or touch screen interface.

*Note: Manual window arrangement is only possible when the “Touch Back” function is disabled.*




## 10.3 Control Panel

Clicking on the upward arrow icon (^) at the bottom middle of the screen (using a touch panel, or connected mouse) will open up the Control Panel. This provides access to a number of system configuration and connection management functions.



- 1) Control Panel Switch:** The Control Panel switch is the up arrow icon (^) appearing at the bottom of the main screen if a touch panel or mouse is connected to the unit. Click/tap on it once to open the Control Panel. Clicking/tapping outside of the Control Panel area will close it again.
- 2) Touch Back:** Enables or disables Touch Back support on the unit. When the Touch Back function is enabled, a shared desktop's mouse functionality can be controlled remotely via a connected mouse or touch panel display connected to the Hyshare Pro unit.  
*Note: This function is only active for sources sharing their whole desktop. Window, Browser Tab and Mobile Screen sharing is not supported.*
- 3) Remote View:** Enables or disables allowing connected users to view the unit's video output in a window on their local device via the Hyshare Pro app. (Please see Section 9.2)
- 4) Moderation Mode:** Enables or disables Moderation Mode for the unit. When Moderation mode is enabled, unit's operator can control which connected user's shared screen to display. Also, when enabled, only sources shared via the Hyshare Pro app are allowed.  
*Note: Enabling Moderation Mode will stop all current screen sharing.*






- 5) **Stop All:** Clicking this button will immediately stop all screen sharing.  
*Note: Only available in "Moderation Mode".*
- 6) **Mute All:** Click on the "All Audio" icon (  ), located next to the "Stop All" button, to mute or unmute the audio output from all connected users' shared screens.  
*Note: Only available in "Moderation Mode".*
- 7) **User List:** Lists the user names of all currently connected devices, whether they are actively sharing or not. When moderation mode is enabled, the moderator can control various aspects of each user's screen sharing functionality through this list, including: Start, Stop, Mute, Full Screen, and Disconnect.
- 8) **User Name:** When a connected user is actively sharing, the User Name line will become highlighted. When moderation mode enabled, clicking on a user name will cause them to start or stop sharing their screen and clicking on the "X" will disconnect the user.
- 9) **User Audio:** Click on the "Audio" icon (  ) next to a user name to mute or unmute the audio from their shared source.  
*Note: Only available in "Moderation Mode".*
- 10) **User Full Screen:** Click on the "Full Screen" icon (  ) next to a user name to switch their shared screen between full screen and multiview.  
*Note: Only available in "Moderation Mode".*
- 11) **Connection:** Shows the number of users currently connected to this unit.
- 12) **Remote View:** Shows the number of users currently viewing the main screen from their own device.

## 10.4 Collaboration Features

### 10.4.1 Floating Menu

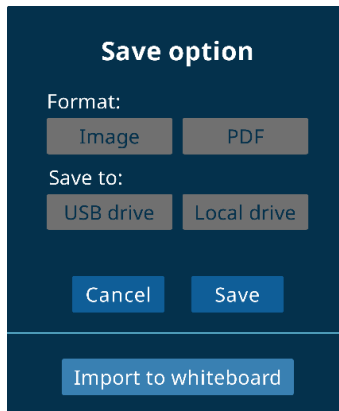
This floating menu appears in the lower left corner of the video output OSD any time the unit is connected to a mouse, or a touch screen enabled display. It allows users to quickly access the unit's interactive Whiteboard, Annotation, and Screen Capture features. The location of this menu can be changed by selecting and dragging the center of the circle to a new location. After 15 seconds of inactivity, the floating menu will automatically become translucent so it does not interfere too much with shared content.



- 1) Whiteboard:** Clicking this icon's segment will switch to the Whiteboard interface control wheel which provides access to up to 5 switchable whiteboard pages with multi-color/multi-size pencil drawing tools, a highlighter, eraser, and 4 selectable whiteboard backgrounds. A way to save a copy of a whiteboard is also provided (See Section 10.4.2). Clicking on the "Exit" icon (  ) will return you to the main menu wheel.
- 2) Annotation:** Clicking this icon's segment will switch to the Annotation interface control wheel which provides access to multi-color/multi-size pencil drawing tools, a highlighter, and an eraser which can be used to draw or write on top of live shared screens. A way to save a screen capture image of the annotated screen is also provided (See Section 10.4.2). Clicking on the "Exit" icon (  ) will return you to the main menu wheel.
- 3) Screen Capture:** Clicking this icon's segment will switch to the Screen Capture interface control wheel which provides options to make either a full size, or cropped section, capture of the currently shared screens which can then be saved (See Section 10.4.2) or exported to a Whiteboard. Clicking on the "Exit" icon (  ) will return you to the main menu wheel.

## 10.4.2 Save Screenshots

When using Screen Capture, Annotation or Whiteboard, there are a few different ways you can store your current video output for use later, or for distribution to your users. Once you click on the save icon in a menu wheel, you will get a popup showing your save options.

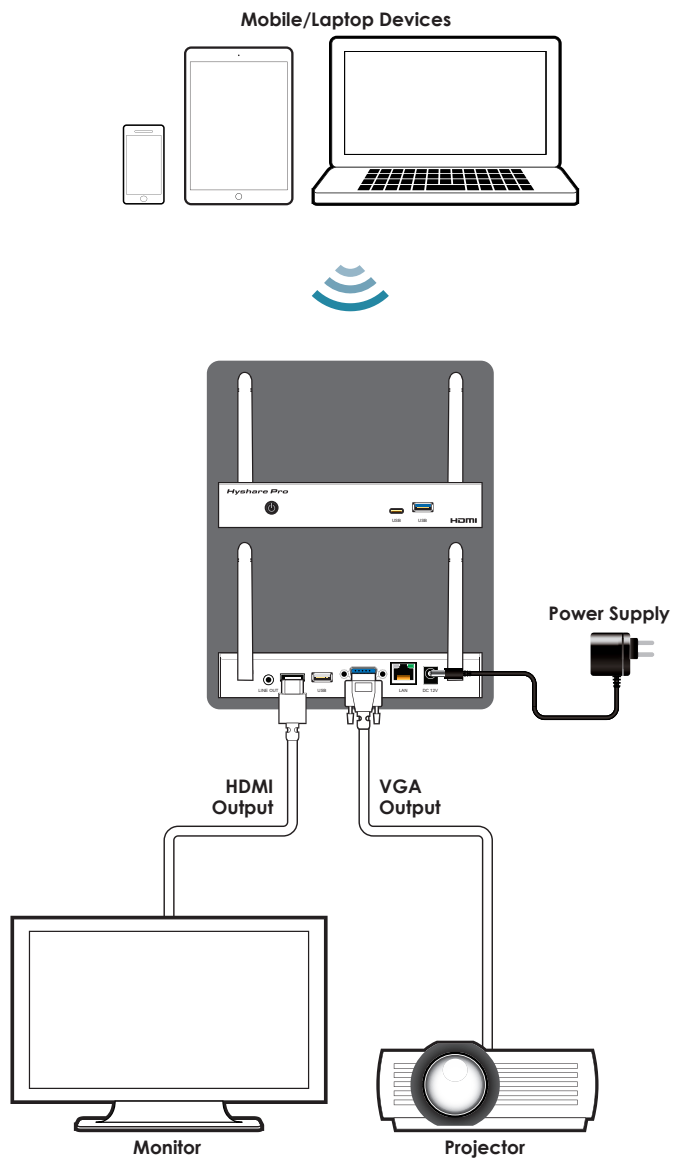


- 1) **Format:** Select the file format to use when generating the screen shot. Selecting “Image” will generate a \*.png format file, while selecting PDF will generate a \*.pdf file.
- 2) **Save to:** Choose where to save the image file to. Selecting USB will save it to a locally connected USB drive. Selecting “Local Drive” will save the image to the unit itself, which will need to be accessed via a generated QR code.
- 3) **Cancel:** Exit without saving any images.
- 4) **Save:** Depending on the “Save To” selection, clicking this will either save the file to a USB drive, or it will display a QR code that can be used to access the file saved to the local drive.

*Note: The device used to read the QR code to download the image must be connected to the same local network as the Hyshare Pro unit.*

- 5) **Import to Whiteboard:** Transfer the screenshot to one of the unit’s whiteboards for temporary storage or additional editing.

## 11. CONNECTION DIAGRAM



## 12. SPECIFICATIONS

### 12.1 Technical Specifications

<b>HDMI Bandwidth</b>	10.2Gbps
<b>VGA Bandwidth</b>	165MHz
<b>Output Ports</b>	1×HDMI (Type-A) 1×VGA (DE-15) 1×Stereo Audio (3.5mm)
<b>Bi-directional/Control Port</b>	1×LAN (RJ-45)
<b>Control Ports</b>	1×USB 2.0 (Type-A) 1×USB 3.0 (Type-A) 1×USB 3.0 (Type-C)
<b>Wi-Fi Support</b>	IEEE 802.11ac 2.4/5GHz
<b>Power Supply</b>	12V/2A DC (US/EU standards, CE/FCC/UL certified) or PoE (802.3af) via LAN Port
<b>ESD Protection (HBM)</b>	±8kV (Air Discharge) ±4kV (Contact Discharge)
<b>Dimensions (W×H×D)</b>	170mm×30.5mm×95.5mm [Case Only] 170mm×127.5mm×131mm [All Inclusive]
<b>Weight</b>	530g
<b>Chassis Material</b>	Metal (Steel)
<b>Chassis Color</b>	Black
<b>Operating Temperature</b>	0°C – 40°C/32°F – 104°F
<b>Storage Temperature</b>	-10°C – 70°C/14°F – 158°F
<b>Relative Humidity (Non-condensing)</b>	Operating: 20 – 80% RH Storage: 10 – 90% RH
<b>Power Consumption</b>	24W

## 12.2 VIDEO SPECIFICATIONS

Supported Resolutions (Hz)	Single Output	Dual Output	
	HDMI	HDMI	VGA
720×400p@70/85	x	x	x
640×480p@60/72/75/85	x	x	x
720×480i@60	x	x	x
720×480p@60	x	x	x
720×576i@50	x	x	x
720×576p@50	x	x	x
800×600p@56/60/72/75/85	x	x	x
848×480p@60	x	x	x
1024×768p@60/70/75/85	60	60	60
1152×864p@75	x	x	x
1280×720p@50/60	60	60	60
1280×768p@60/75/85	x	x	x
1280×800p@60/75/85	x	x	x
1280×960p@60/85	x	x	x
1280×1024p@60/75/85	x	x	x
1360×768p@60	x	x	x
1366×768p@60	x	x	x
1400×1050p@60	x	x	x
1440×900p@60/75	x	x	x
1600×900p@60RB	x	x	x
1600×1200p@60	x	x	x
1680×1050p@60	x	x	x
1920×1080i@50/60	x	x	x
1920×1080p@24/25/30	x	x	x

Supported Resolutions (Hz)	Single Output	Dual Output	
	HDMI	HDMI	VGA
1920×1080p@50/60	60	60	60
1920×1200p@60RB	✓	×	×
2560×1440p@60RB	×	×	×
2560×1600p@60RB	×	×	×
2048×1080p@24/25/30	×	×	×
2048×1080p@50/60	×	×	×
3840×2160p@24/25/30	30	×	×
3840×2160p@50/60 (4:2:0)	×	×	×
3840×2160p@24, HDR10	×	×	×
3840×2160p@50/60 (4:2:0),HDR10	×	×	×
3840×2160p@50/60	×	×	×
4096×2160p@24/25/30	×	×	×
4096×2160p@50/60 (4:2:0)	×	×	×
4096×2160p@24, HDR10	×	×	×
4096×2160p@50/60 (4:2:0),HDR10	×	×	×
4096×2160p@50/60	×	×	×

## 12.3 Audio Specifications

### 12.3.1 Digital Audio

Network Input / HDMI Output	
LPCM	
Max Channels	2 Channels
Sampling Rate (kHz)	44.1
Bitstream	
Supported Formats	None

### 12.3.2 Analog Audio

Analog Output	
Max Audio Level	0.75Vrms
THD+N	< -84dB@0dBFS 1kHz (A-wt)
SNR	> 86dB@0dBFS
Frequency Response	< $\pm 0.05$ dB@20Hz~20kHz
Crosstalk	Not applicable
Impedance	16 $\Omega$
Type	Unbalanced



## 12.4 Cable Specifications

Cable Length	1080p		4K30	4K60
	8-bit	12-bit	(4:4:4) 8-bit	(4:4:4) 8-bit
<b>High Speed HDMI Cable</b>				
<b>HDMI Output</b>	15m	10m	5m	x
<b>VGA Cable</b>				
<b>VGA Output</b>	2m		x	

### Bandwidth Category Examples:

- **1080p (FHD Video)**
  - Up to 1080p@60Hz, 12-bit color
  - Data rates lower than 5.3Gbps or below 225MHz TMDS clock
- **4K30 (4K UHD Video)**
  - 4K@24/25/30Hz & 4K@50/60Hz (4:2:0), 8-bit color
  - Data rates higher than 5.3Gbps or above 225MHz TMDS clock but below 10.2Gbps
- **4K60 (4K UHD<sup>+</sup> Video)**
  - 4K@50/60Hz (4:4:4, 8-bit)
  - 4K@50/60Hz (4:2:0, 10-bit HDR)
  - Data rates higher than 10.2Gbps

## 13. ACRONYMS

ACRONYM	COMPLETE TERM
<b>4K UHD</b>	4K Ultra-High-Definition (10.2Gbps max)
<b>4K UHD<sup>+</sup></b>	4K Ultra-High-Definition (18Gbps max)
<b>ASCII</b>	American Standard Code for Information Interchange
<b>Cat.5e</b>	Enhanced Category 5 cable
<b>Cat.6</b>	Category 6 cable
<b>Cat.6A</b>	Augmented Category 6 cable
<b>Cat.7</b>	Category 7 cable
<b>CLI</b>	Command-Line Interface
<b>DAC</b>	Digital-to-Analog Converter
<b>dB</b>	Decibel
<b>DHCP</b>	Dynamic Host Configuration Protocol
<b>DVI</b>	Digital Visual Interface
<b>EDID</b>	Extended Display Identification Data
<b>GbE</b>	Gigabit Ethernet
<b>Gbps</b>	Gigabits per second
<b>GUI</b>	Graphical User Interface
<b>HDCP</b>	High-bandwidth Digital Content Protection
<b>HDMI</b>	High-Definition Multimedia Interface
<b>HDR</b>	High Dynamic Range
<b>HID</b>	Human Interface Device
<b>IP</b>	Internet Protocol
<b>kHz</b>	Kilohertz
<b>KVM</b>	Keyboard/Video/Mouse
<b>LAN</b>	Local Area Network
<b>LED</b>	Light-Emitting Diode
<b>LPCM</b>	Linear Pulse-Code Modulation

ACRONYM	COMPLETE TERM
<b>MAC</b>	Media Access Control
<b>MHz</b>	Megahertz
<b>OSD</b>	On-Screen Display
<b>PD</b>	Powered Device
<b>PoE</b>	Power over Ethernet
<b>SNR</b>	Signal-to-Noise Ratio
<b>SSID</b>	Service Set Identifier
<b>TCP</b>	Transmission Control Protocol
<b>THD+N</b>	Total Harmonic Distortion plus Noise
<b>TMDS</b>	Transition-Minimized Differential Signaling
<b>USB</b>	Universal Serial Bus
<b>VGA</b>	Video Graphics Array
<b>WUXGA (RB)</b>	Widescreen Ultra Extended Graphics Array (Reduced Blanking)
<b>XGA</b>	Extended Graphics Array
<b>Ω</b>	Ohm

## 14. COMPLIANCE STATEMENTS

### 14.1 FCC Statement

This device 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 device 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 device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on 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 device and receiver.
- Connect the device into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/display technician for help.

#### **Notice: Shielded cables**

All connections to other computing devices must be made using shielded cables to maintain compliance with FCC regulations.

#### **Caution**

Changes or modifications not expressly approved by the manufacturer could void the user's authority, which is granted by the Federal Communications Commission, to operate this device.

#### **Operation Conditions**

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.

#### **Notice: Canadian users**

This Class B digital apparatus complies with Canadian ICES-003.

Remarque l'intention des utilisateurs canadiens

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

## 14.2 FCC RF Radiation Exposure Statement

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. (For only one antenna)
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

## 14.3 Declaration of Conformity

EMC Directive 2014/30/EC (including amendments)

## 14.4 WEEE

### **Disposal instructions**

Do not throw this electronic device into the trash when discarding. To minimize pollution and ensure utmost protection of the global environment, please recycle it.

## 14.5 General Warnings

- When Hyshare Pro (WPS-HP201) is running in PoE mode and connected to USB devices such as touch panel, mouse or USB drive, please note all USB ports are not allowed to be connected.
- About the RTC battery inside Hyshare Pro:
  - The RTC battery is forbidden to charge, decompose, heat, or throw into fire.
  - Do not ingest or swallow the RTC battery, or it can cause severe internal burns in just 2 hours and can lead to death.
  - Keep the RTC battery away from children.
- Please use in accordance with the product manual to avoid damage to the product and affecting the warranty.
- Product problems caused by the following improper use will not be covered by the warranty:
  - Disassemble or repair the product by yourself.
  - Disassemble or replace the RTC battery in the product.
  - Make the system short-circuit by spraying liquid improperly on the system.
  - Use equipment that is not in the product packing, such as power adapter or antennas, etc.

If you have any other questions, please contact the customer support team or distributor, and send the product for repair if necessary.

## 15. WARRANTY POLICY

### 15.1 Warranty Period

CYP aims to meet the customer's expectations for post-sales service and support; therefore, in addition to offering global warranty, a global extended warranty service is also provided for customers upon request.

Standard products manufactured by CYP are covered by global warranty from the date of shipment. Products covered by extended warranty and cross-region repair services against defects in design, materials, and workmanship, are also covered from the date of shipment. All non-CYP products will be covered by the original manufacturers' warranty and the time period.

### 15.2 Repairs Under Warranty

It is possible to obtain a replacement, if confirmed as DOA (Defective-on-Arrival) when stock is available. It must be purchased directly from CYP.

(Invoice 30 days, and sea shipment for extra 30 days)

The only conditions for replacement are:

1. All parts and accessories must be included as originally shipped
2. Proof of purchase must be included. Any returns that do not meet mentioned requirements above, or any wrong user settings/configurations will be denied, or subject to additional handling/service charges as determined by the CYP Repair Service Department.

For those products which are not DOA, the return fee to an authorized CYP repair facility will be at the customers' expense. After repaired, the sending fee from CYP back to customers' sites will be at CYP's expense.

## 15.3 Exclusions from Warranty

The product is excluded from warranty if happens below situation:

- The product has been found to be defective after expiry of the warranty period.
- Warranty has been voided by removal or alternation of product or part identification labels.
- The product has been misused, abused, or subjected to unauthorized disassembly/modification; placed in an unsuitable physical or operating environment; improperly maintained by the customer; or failure caused which CYP is not responsible whether by accident or other cause. Such conditions will be determined by CYP at its sole unfettered discretion.
- The product is damaged beyond repair due to a natural disaster such as a lighting strike, flood, earthquake, etc.
- Other products and accessories not manufactured by CYP are limited to the warranty provided by the original manufacturer. Examples of such products and accessories include Cable, power adaptor, CD, and so on.
- Product updates/upgrades and tests upon the request of customers who are without warranty.











**CYPRESS TECHNOLOGY CO., LTD.**  
[www.cypress.com.tw](http://www.cypress.com.tw)

---