

# **VB350**

## **4K Dual Lens Video Bar**

— **User Manual** —

## Warning

- To reduce risk of fire or electric shock, do not expose this appliance to rain or moisture. Warranty will be void if any unauthorized modifications are done to the product.
- Do not drop the camera or subject it to physical shock.
- Use correct power supply voltage to avoid damaging camera.
- Do not place the camera where the cord can be stepped on as this may result in fraying or damage to the lead or the plug.
- Hold the bottom of the camera with both hands to move the camera. Do not grab the lens or lens holder to move the camera.

### Federal Communication Commission Interference Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radiofrequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with part 15 of the FCC Rules.

The 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.

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

### Warning

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

### Caution

Risk of explosion if battery is replaced by an incorrect Type. Dispose of used batteries according to the Instructions.

### PSTI Statement of Compliance

Please refer to the following website: <https://www.aver.com/product-security-advisory>

### VCCI-A

この装置はクラス A 機器です。この装置を住宅環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

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## More Help

For FAQs, technical support, software and user manual download, please visit:

### Non-USA

Download Center: <https://www.aver.com/download-center>

Technical Support: <https://www.aver.com/technical-support>

### USA

Download Center: <https://www.averusa.com/business/support/>

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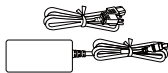
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# Overview

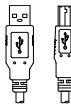
## Package Contents



Video Bar



Power Adapter &  
Power Cord



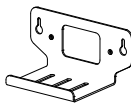
USB 3.0 Type-B to  
Type-A Cable (3 m)



Remote Control



AAA Battery  
(x2, US only)



Wall Mount Bracket



1/4"-20 L=7.5 mm  
Screw (x2)

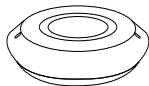


USB Type-A to  
Type-C Adapter



Drill Template

## Optional Accessories



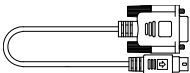
Expansion  
Speakerphone  
10 m / 20 m w/ Cable



Expansion  
Microphone  
10 m / 20 m w/ Cable



HDMI Cable (3 m)



Mini DIN6 to RS-232  
Adapter



Audio-out Converter

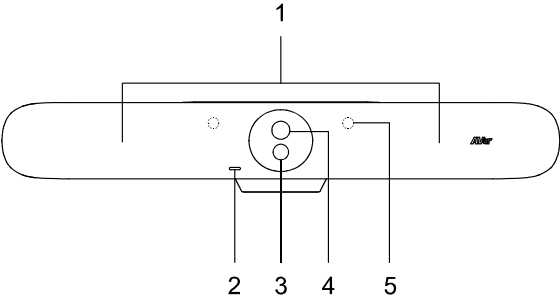


BT Dongle

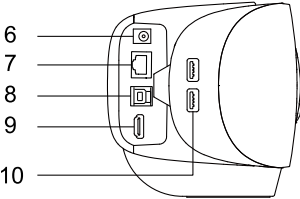


TV VESA Mount

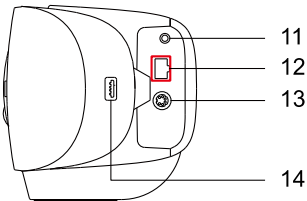
# Parts Info



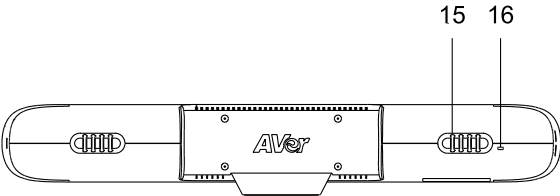
- 1. Beamforming Microphones
- 2. LED Indicator
- 3. Wide-Angle Lens
- 4. Optical Zoom Lens
- 5. IR Sensors



- 6. DC Power Jack
- 7. Ethernet Port
- 8. PC Port (USB 3.0 Type-B)
- 9. HDMI Out Port
- 10. USB 3.0 Type-A Port (x2)



- 11. Phone In Port
- 12. Expansion Audio Port (red)
- 13. RS-232 Port
- 14. Bluetooth Dongle Port (USB 2.0 Type-A)



- 15. Cable Retention
- 16. Kensington Lock

**Note:** The built-in beamforming microphone is for audio tracking and can't be used as an audio source during a video conference.

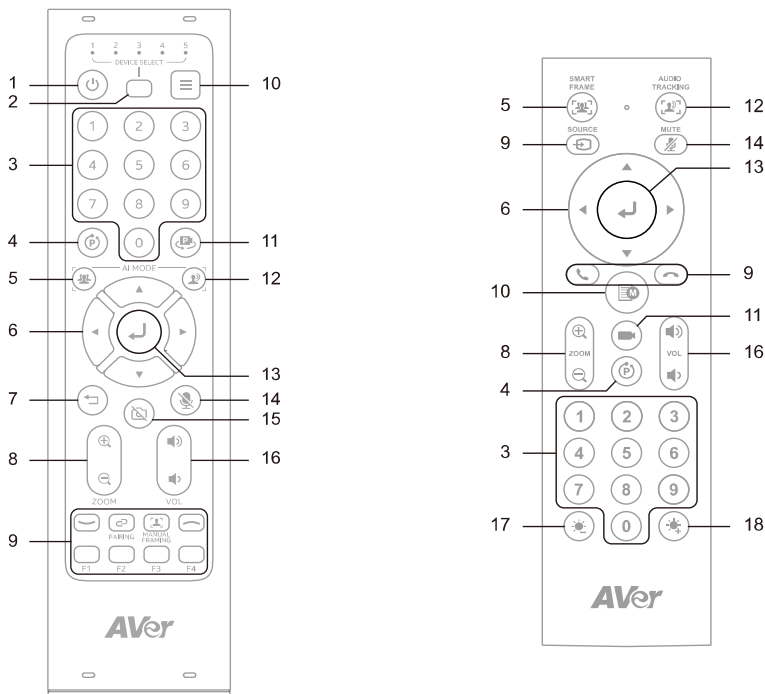



# LED Indicator

Color	Status
Solid red	Start-up / Call muted
Solid white	Standby with USB connection
Solid orange	Standby without USB connection
Solid blue	Streaming
Flashing blue	<ul style="list-style-type: none"><li>• 2 seconds: Gesture control on</li><li>• 4 seconds: Performing gesture commands</li></ul>
Flashing orange	Firmware update

# Remote Control









Your device may come with one of the following remote controls.



Name	Function
1. Power	N/A
2. Camera Select	Select 1 to operate the camera. The remote control has been set to 1 at the factory. With each press, cycle through 1-5
3. Number Buttons	<ul style="list-style-type: none"><li>To save a preset: Press and hold a <b>Number (0-9)</b>.</li><li>To load a preset: Press a <b>Number (0-9)</b>.</li></ul>
4. Combination Button	Open combination buttons guide. Refer to < <a href="#">Combination Buttons</a> > for details.
5. SmartFrame	Press to frame entire group on screen. Press and hold to cycle through tracking modes.  <ul style="list-style-type: none"><li>To hide the <b>SmartFrame</b> icon , go to <b>Setting &gt; On-Screen Menu &gt; Off</b> on the web interface or in Room Management.</li></ul>
6. Pan-Tilt Control	Pan and tilt direction control.
7. Back	N/A

8. Zoom In/Out	Zoom in or out.
9. Function Buttons	<ul style="list-style-type: none"> <li>• Call/Answer: Start or answer a call.</li> <li>• Pairing: Turn Bluetooth on or off.</li> <li>• Manual Framing: N/A</li> <li>• Hang Up: End call.</li> <li>• F1-F4: N/A</li> </ul>
10. Menu	N/A
11. Load Preset	With each press, cycle through defined presets.
12. Audio Tracking	Press and hold to cycle through audio tracking modes.
13. Enter	Confirm a selection.
14. Mute	Mute or unmute microphone.
15. Camera Off	N/A
16. Volume	Volume up or down.
17. Brightness -	Decrease image brightness.
18. Brightness +	Increase image brightness.

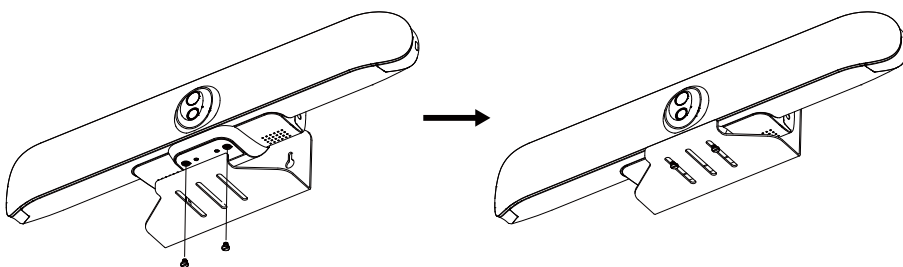
## Combination Buttons

Press consecutively	To
 + 	Turn wide dynamic range (WDR) on or off.
 + 	Turn Save Preset on or off.
 + 	Turn RTMP streaming on or off.
 + 	Enter sleep mode when not streaming over USB.

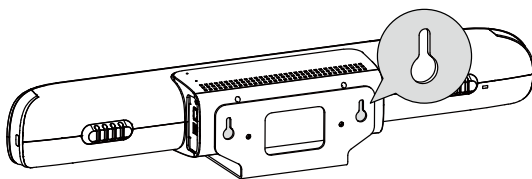
# Installation

## Wall Mount Installation

1. Use the wall mount drilling template to mark and drill the mounting holes on the wall.
2. Insert 2 screws and plastic anchors (not included) to the wall.
  - Concrete wall: M5 x20mm self-tapping screws (x2) + plastic anchors (x2)
  - Wooden wall: M5 x20mm self-tapping screws (x2)
3. Secure the wall mount bracket with the supplied 2 tripod screws to the bottom of the camera.

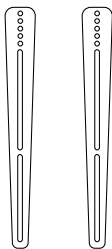


4. Position the camera with the inserted screws on the wall.

















# TV VESA Mount Installation (Optional Accessory)

## Package Contents

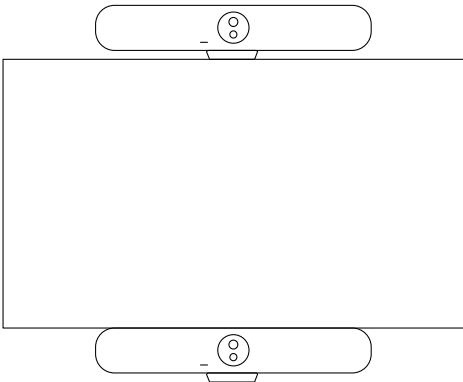


Swing-arm bracket (x2)

- |   |   |                    |
|---|---|--------------------|
|  |  | M5 x 10 Screw (x2) |
|  |  | M6 x 15 Screw (x4) |
|  |  | M6 x 20 Screw (x4) |
|  |  | M8 x 20 Screw (x4) |
|  |  | M8 x 30 Screw (x4) |

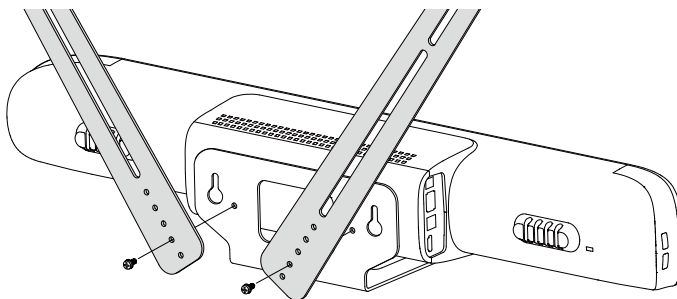
- |   |                     |
|---|---------------------|
|  | Silicon washer (x2) |
|  | Metal washer (x2)   |
|  | M6 Washer (x4)      |
|  | M8 Washer (x4)      |

## Mount Above or Below Monitors

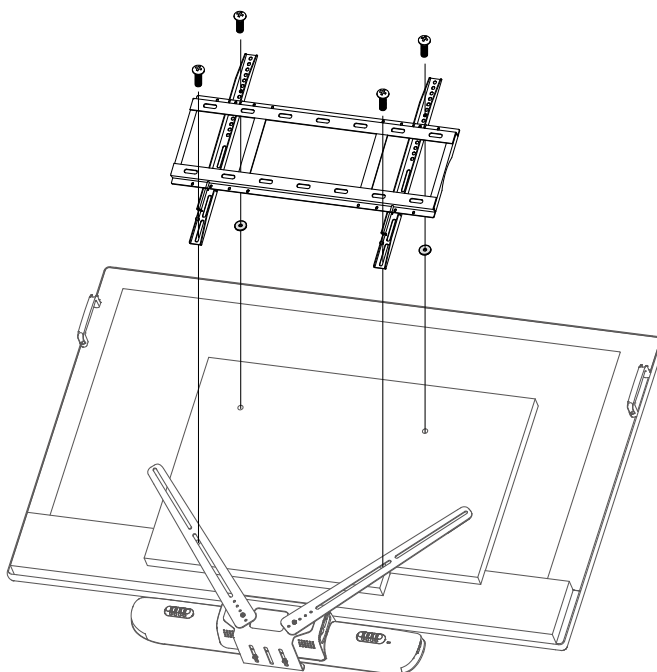


1. Select an appropriate mounting hole on the swing arm. There are 5 mounting holes on each swing arm.
2. Secure the swing arms to the back of the video bar using the included **M5 x 10 mm screws**. Don't fully tighten the screws so you can adjust the swing angle.

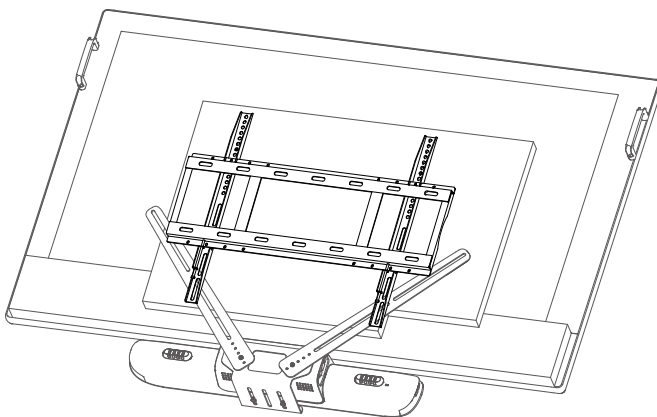
**Note:** Make sure you have installed the **wall mount bracket** first.



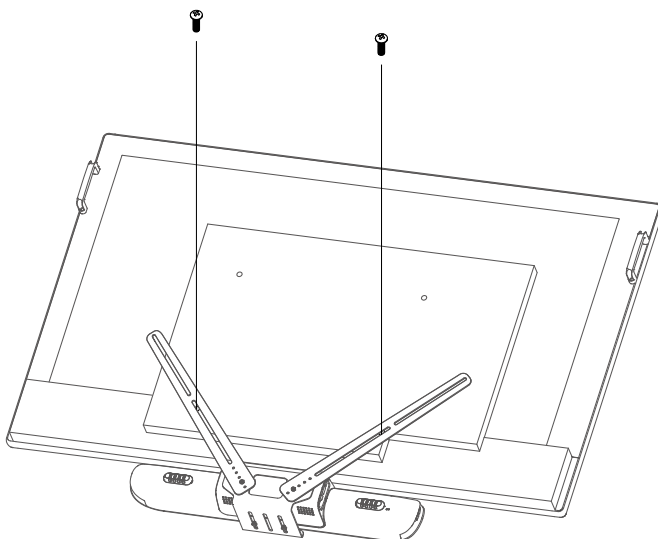
3. Install the TV wall mount. (Go to step 5 if the TV wall mount is not needed.)  
Position the **metal washers** over the top mounting holes on the TV, then align the mounting slots on the swing arms with the bottom mounting holes on the TV.



4. Secure the TV wall mount to the back of the TV using the included **M6 or M8 screws** and tighten all the screws.

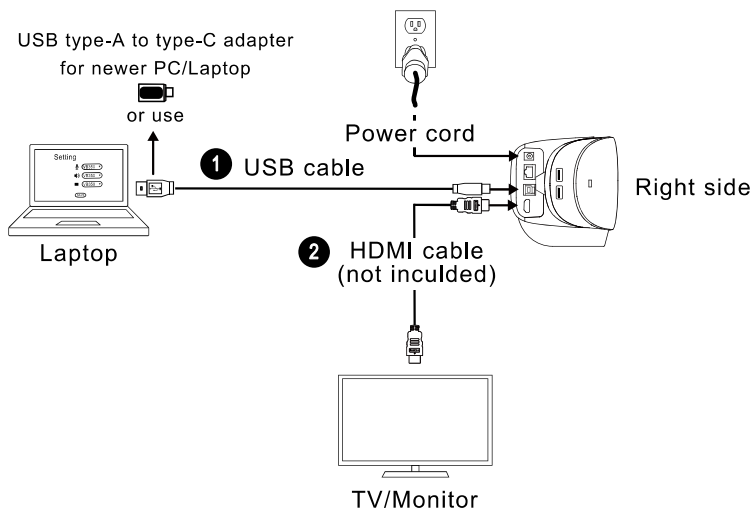


5. Align the mounting slots on the swing arms with the bottom mounting holes on the TV. Secure the swing arms to the back of the TV using the included **M6 or M8 screws** and tighten all the screws.



# Connections

## Device Connection



1. Connect a computer to the PC port on the VB350 with the included USB 3.0 cable, and connect the VB350 to a power outlet.

### USB 2.0 vs USB 3.1 Resolutions and Frame Rates

USB 2.0		USB 3.1	
YUV	M-JPEG	YUV	M-JPEG
- 640x480 or less resolution, up to 30fps - 720p, up to 15fps	- Up to 1080p/30fps	- Up to 1080p/30fps - 720p/60fps	- Up to 4k/30fps

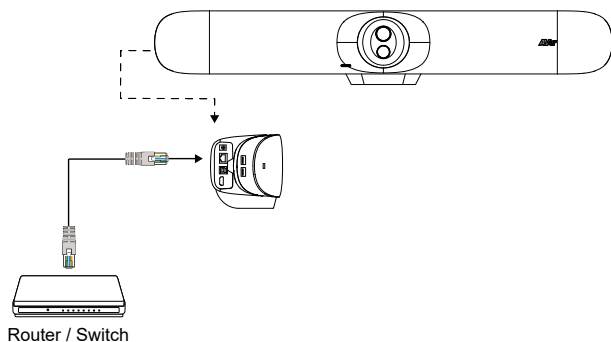
2. Connect a TV/monitor to the HDMI out port on the VB350 using an HDMI cable.
3. Download and install the USB Display Driver to your computer through the Room Management software: Open the software, go to **System > Install Driver of USB Display**, then turn on **USB Display**.

**Note:** The HDMI Out port uses built-in USB 3.1 (Gen 1) to HDMI adapter technology. A USB Display Driver must be installed for it to work.



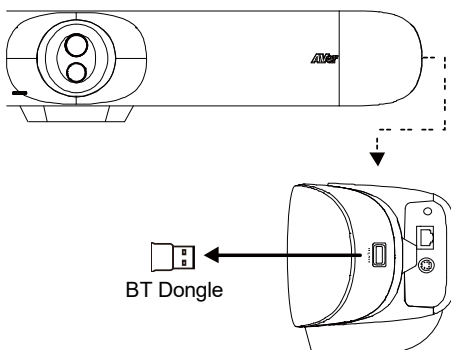
## Ethernet Connection


Connect to Ethernet and access your video bar's web interface.



## Bluetooth Dongle Connection (Optional Accessory)

Use VB350 as a mobile phone's external audio device.



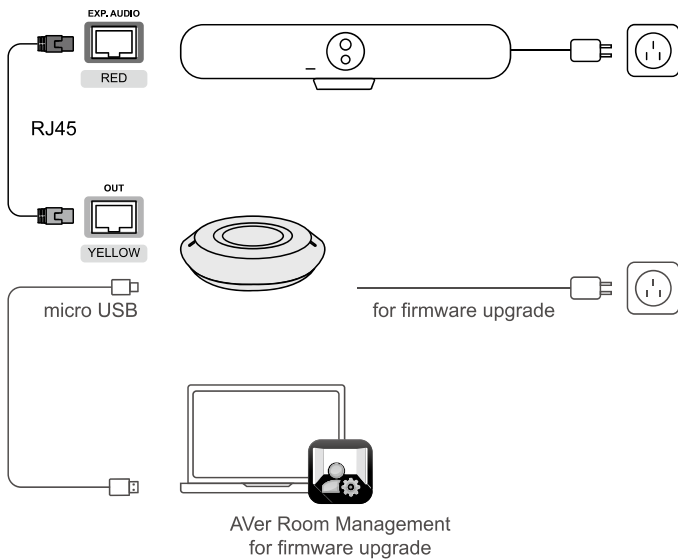
1. Plug the Bluetooth dongle into the USB 2.0 Type-A port before connecting to power.
2. Press the **Pair** button  on the remote control or turn on Bluetooth in Room Management.
3. Open the Bluetooth setting on your phone and select VB350 to connect.

# Expansion Audio Connections (Optional Accessories)

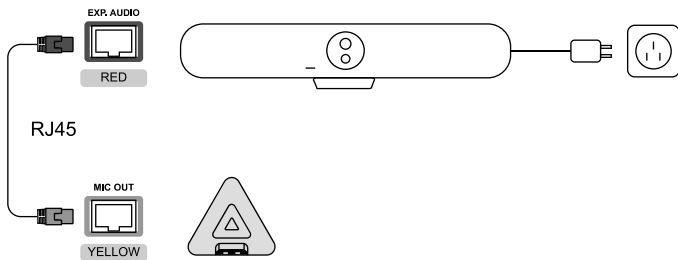
Connect the red plug of the included RJ45 cable to the red expansion audio port on your video bar, and the yellow plug to the yellow mic out port on your expansion speakerphone or expansion microphone.

**Note:** When connected to a video bar, expansion speakerphones and expansion microphones don't support daisy chaining.

- Expansion Speakerphone



- Expansion Microphone



# Get Started

## Make a Video Call

The VB350 is a plug-n-play device. Open your video conferencing software and select the VB350 for **Audio and Video**.

## Access the Web Interface

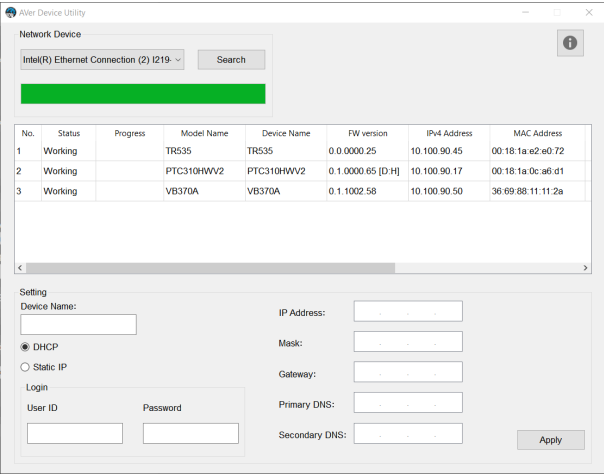
To access the web interface of your device, you can use any of the following software to find its IP address:

- AVer Device Utility
- Room Management

**Note:**

- The device's default network is static IP.
- The device's default username/password is **admin/aver4321**.

## AVer Device Utility



### To access the web interface:

1. Download and install AVer Device Utility to your computer from AVer Download Center (<https://www.aver.com/download-center>) and launch the software.

2. Click **Search** to see available devices on the same local area network (LAN).

**Note:**

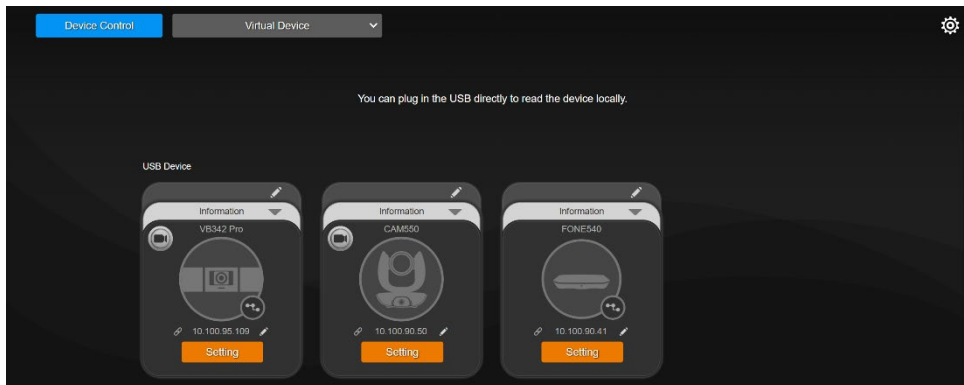
- Make sure your device is connected to the internet.
- AVer Device Utility and your device must be on the same LAN.

3. Double-click on your device's IP address in the **IPv4 Address** column to open the web interface in your browser.

**To change the network setting to DHCP or static IP:**

1. Select the checkbox of your device.
2. Enter the default or changed password in the **Login** field.
3. Select **DHCP** or **Static IP**, then enter your network settings if applicable in the **Settings** section.
4. Click **Apply**.

# Room Management




## To access the web interface:


1. Download and install Room Management (formerly PTZApp 2) to your computer from AVer Download Center. (<https://www.aver.com/download-center>) and launch the software.

### Note:

- Make sure your device is connected to the internet.
- Room Management and your device must be on the same LAN.

2. Connect your device to your computer with the included USB cable. Your device should appear under the **Device Control** page.
3. Click the **hyperlink** icon  on the device card to open the web interface in your browser.

## To change the network setting to DHCP or static IP:

1. Click the **pencil** icon  on the device card.
2. Select **DHCP** or **Static IP**, then enter your network settings if applicable.
3. Click **Confirm**.

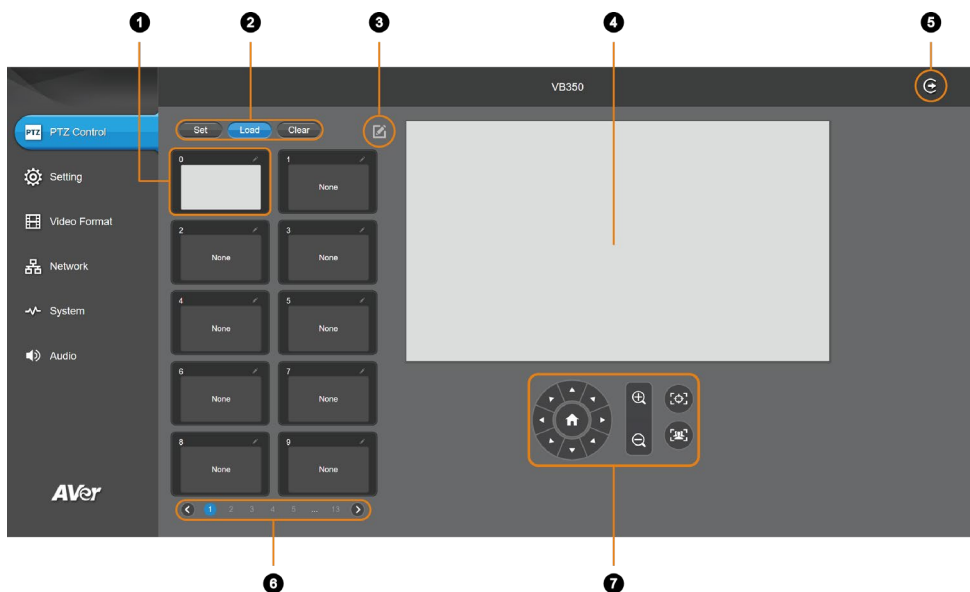
## Log In for the First Time

When you log in for the first time, enter the default password **aver4321**. You will be prompted to change the username and password. The username and password cannot be the same.

- Username: Use 1-32 characters.
- Password: Use 8-32 characters and a combination of uppercase letters, lowercase letters, numbers, and symbols (!\$%&'()\*+,-./<=>?@[\\]^\_`{|}~).

# Web Interface

## PTZ Control



### 1. Preset Thumbnail

Click the **pencil** icon  to name a preset.

### 2. Preset Functions

### 3. Edit Presets




Add up to 128 or delete available presets.

### 4. Live View

### 5. Log Out

### 6. Pages of Available Presets

### 7. Pan, Tilt, Zoom Controls

- Home  : Reset the pan-tilt position to the center.
- One-Touch Focus  : Autofocus once.
- SmartFrame  : Frame entire group on screen once.

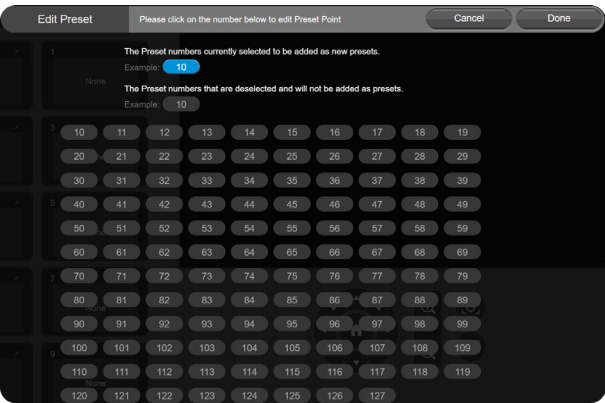
## Save, Load or Clear a Preset



### To save, load or clear a preset:

1. Select an action you want: **Set**, **Load** or **Clear**.
2. Select a preset number.
3. Click **Yes** when prompted. A thumbnail will appear.

## Add and Delete Available Presets (Presets 10-127)



Presets 0-9 are available by default.

### To add an available presets:

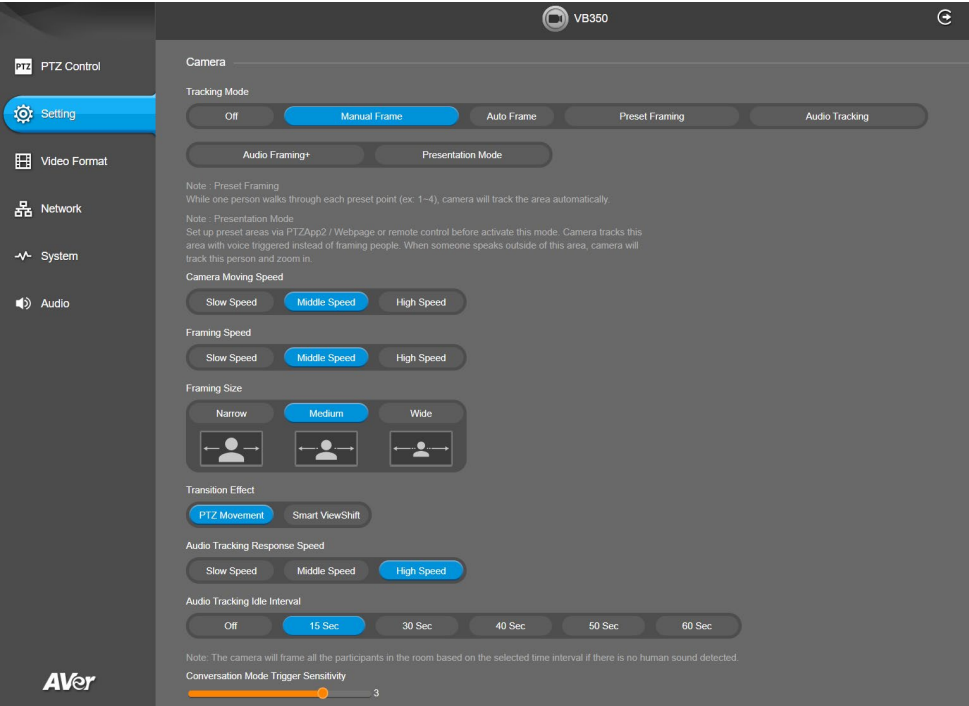
1. Click the **edit preset** icon.
2. Select the preset numbers you want to add. Selected presets will turn blue.
3. Click **Done**.

### To delete an available preset:

1. Click the **edit preset** icon.
2. Select the preset numbers you want to delete. Selected presets will turn gray.
3. Click **Done**.




# Setting



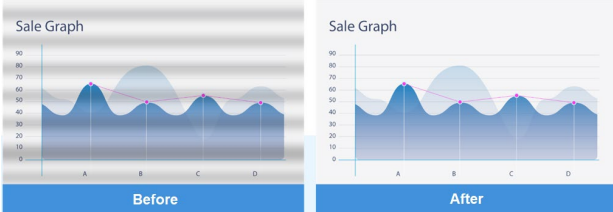
## Camera

Item	Description
Tracking Mode	Select a tracking mode. Please refer to <a href="#">&lt;Tracking Mode&gt;</a> for details.
Camera Moving Speed	Select a camera moving speed.
Framing Speed	Select an idle time before auto frame: <ul style="list-style-type: none"><li>● Slow: 5 seconds before auto frame.</li><li>● Middle: 3 seconds before auto frame.</li><li>● High: 1 second before auto frame.</li></ul>
Framing Size	Select a framing size to adjust the presenter's background.
Transition Effect	<ul style="list-style-type: none"><li>● PTZ Movement: The camera displays the entire movement from one position to another.</li><li>● Smart ViewShift: The camera will only displays the final view after each movement.</li></ul>
Audio Tracking Response Speed	Select an audio tracking response speed. Slower speed is useful for ignoring short utterance during audio tracking.
Audio Tracking Idle Interval	<ul style="list-style-type: none"><li>● Select an idle time before the camera frames all</li></ul>

	<p>participants when no sound is detected.</p> <ul style="list-style-type: none"> <li>● Select <b>OFF</b> and the camera will stay at the final position.</li> </ul>
Conversation Mode Trigger Sensitivity	<ol style="list-style-type: none"> <li>1. Turn <b>Audio Tracking</b> on and drag the slider to adjust the sensitivity of triggering Conversation Mode.</li> <li>2. The camera will turn the Conversation Mode on and frames all active talkers when detecting two or more people talking. You will see  on the upper left corner of the camera view.</li> <li>3. When there are only one active talker, the camera will return to Audio Tracking mode.</li> <li>4. Set the value to 0 to turn Conversation Mode off.</li> </ol>
Gesture Control	<p>Turn Gesture Control on or off.</p> <p>Please refer to <a href="#">&lt;Gesture Control&gt;</a> for details.</p>
Audio Fence	<p>Turn the function on and select a fence mode for the microphone to decide the sound pickup area.</p> <p>AI functions will be turned off.</p>
Audio Fence Mode	
Auto Focus	<p>Automatically focus after each pan, tilt and zoom, or automatically focus continually.</p>
Camera Focus	<p>Select to adjust the camera focus automatically, or manually drag the slider.</p>
Home Position	<p>Select a home position that your camera moves to when powered on.</p>
Sleep Position	<p>Select a home position that your camera moves to when entering standby mode.</p>
Sleep Timer	<p>Set a duration before standby mode.</p> <ul style="list-style-type: none"> <li>● When transmitting video over USB, RTSP or RTMP, the camera won't enter standby mode.</li> </ul>
On-Screen Menu	<p>Turn On-Screen Menu on or off.</p> <ul style="list-style-type: none"> <li>● Load Preset Off: Displays all statuses except load preset.</li> </ul>
Save Preset	<p>Turn Save Preset on or off.</p> <ul style="list-style-type: none"> <li>● When Save Preset is turned off, you won't be able to save presets using the remote control, web interface, hotkeys or VISCA commands.</li> </ul>

## Image


Item	Description
Image Flip	Flip the image vertically.
Image Mirror	Flip the image horizontally.
True WDR	Turn wide dynamic range (WDR) on or off.
Flicker Decrease on IFP / Monitor	Turn Flicker Decrease on IFP / Monitor on or off.

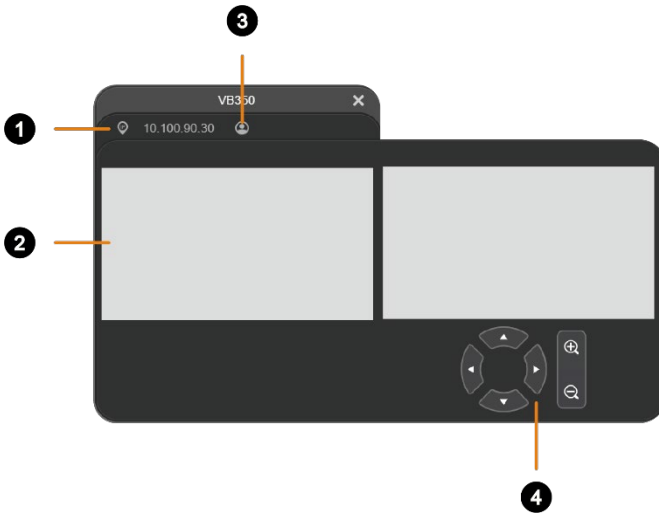
	
Frequency	Select a frequency.
White Balance	Select a white balance setting: <ul style="list-style-type: none"> <li>● Manual: Adjust the white balance manually by dragging the slider.</li> <li>● Auto: Adjust the white balance automatically.</li> </ul>
Noise Reduction	Adjust noise reduction level.
Brightness	Adjust brightness level.
Sharpness	Adjust sharpness level.
Saturation	Adjust saturation level.
Low Light Compensation	Turn Low Light Compensation on or off.
Extended Resolution Options	Select a resolution according to your need. The default resolution range is 720p-1080p.
Enlarge Total Zoom Up to 18x	Enable or disable zoom up to 18x.
Video Frame Rate	Select a video frame rate.

### RS-232

Item	Description
ADDR	Select your settings to set up an RS-232 connection.
Baud Rate	
Protocol	
VISCA over IP	

## Overview of the Floating Live View

- The floating live view opens automatically on **Setting**, **Video Format**, **Network** and **System** tabs.
- To open the floating live view again after closing, click on the **camcorder** icon  on top of **Setting**, **Video Format**, **Network** and **System** tabs.



### 1. IP Address

### 2. Live View

### 3. Head Count

Click to check the participant number on the screen.

### 4. PTZ Control

## Tracking Mode

### Manual Frame

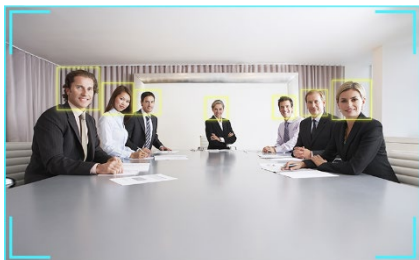


Frames entire group on screen once.

Press the **SmartFrame** button  on the remote control.

---

### Auto Frame



Frames entire group on screen automatically. The starting point is preset 0.

If no one is on screen, the camera defaults to preset 0.

- The camera auto frames every time a subject enters or leaves the screen.
- If Auto Frame happens too frequently, set a delay time before auto frame in **Setting > Framing Speed**.

## Preset Framing



Frames the presenter as they move using presets.

If no one is within a preset, the camera frames entire group on screen.

- Make sure you have defined overlapping presets for a smooth transition. Presets 1-9 are available.
- When multiple presenters are within presets, the preset with the smaller number takes priority.

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## Audio Tracking

Tracks active speaker on screen.

If no one is speaking, the camera defaults to preset 0 after a delay time. Select a delay time in **Setting > Audio Tracking Idle Interval**.

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## Audio Framing+

Frames one or more active speakers in full screen, picture-in-picture (PIP), or split-screen views based on different scenarios. The maximum supported video resolution is 1440p.

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## Presentation Mode

Combines presets with Audio Tracking.

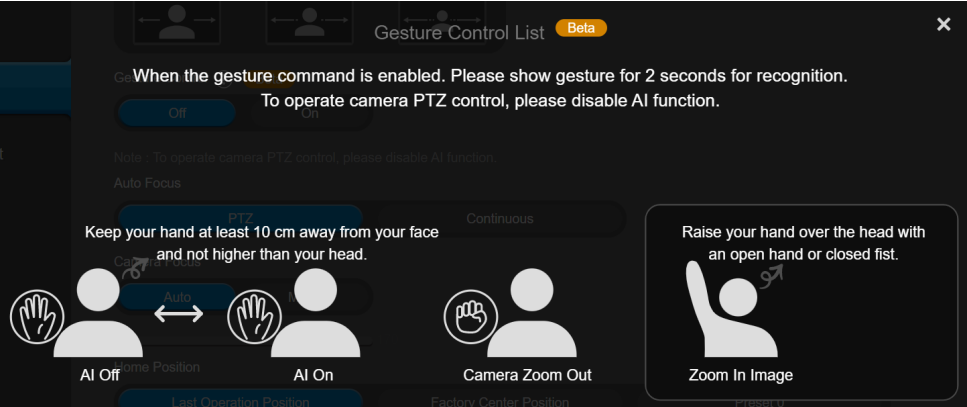
Uses presets when the active speaker is within a preset; switches to audio tracking when the active speaker is outside.






If no one is speaking, the camera defaults to preset 0 and frames entire group on screen, after a delay time. Select a delay time in **Setting > Audio Tracking Idle Interval**.

- Make sure you have defined presets. Presets 1-9 are available.

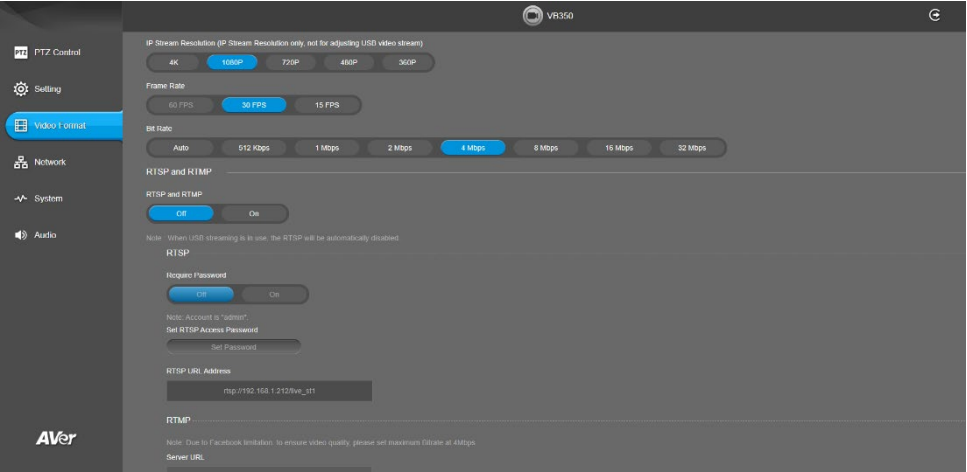
# Gesture Control

- Turn on Gesture Control in the **Setting** tab > **Gesture Control**, and turn off all AI functions.
- The effective distance is up to 5 meters.



Gesture	Description
 Turn Auto Frame on or off	Place your hand next to your face with your palm open and facing the camera for 2-3 seconds to turn Auto Frame on or off. Keep your hand 10 cm away from your face.
 Zoom In	Raise your hand over your head for 2-3 second to zoom in. <ul style="list-style-type: none"><li>• <b>Tracking Mode</b> will be turned off when you zoom in or out with gestures. To turn on Tracking Mode again, do one of the following:<ol style="list-style-type: none"><li>1. Use gesture to turn on Auto Frame.</li><li>2. Press and hold the SmartFrame button  on the remote control to switch between tracking modes.</li><li>3. Web interface: go to the <b>Setting</b> tab &gt; <b>Tracking Mode</b>.</li><li>4. Room Management: go to the <b>Setting</b> tab &gt; <b>Tracking Mode</b>.</li></ol></li></ul>
 Zoom Out	Place your fist next to your face with your fist facing the camera for 2-3 seconds to zoom out. Keep your fist 10 cm away from your face. <ul style="list-style-type: none"><li>• <b>Tracking Mode</b> will be turned off when you zoom in or out with gestures. To turn on Tracking Mode again, do one of the following:<ol style="list-style-type: none"><li>1. Use gesture to turn on Auto Frame.</li><li>2. Press and hold the SmartFrame button  on the remote control to switch between tracking modes.</li><li>3. Web interface: go to the <b>Setting</b> tab &gt; <b>Tracking Mode</b>.</li><li>4. Room Management: go to the <b>Setting</b> tab &gt; <b>Tracking Mode</b>.</li></ol></li></ul>

# Video Format



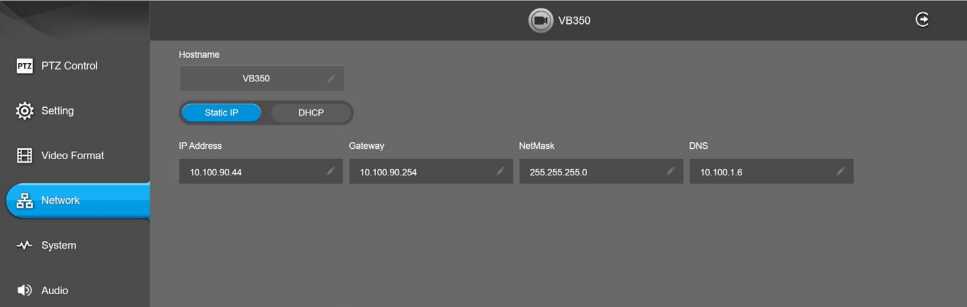
Item	Description
IP Stream Resolution	Select a resolution for streaming over IP.
Frame Rate	Select a frame rate.
Bit Rate	Select a bit rate. <ul style="list-style-type: none"><li>To live stream on Facebook, we recommend a bit rate under 4Mbps.</li></ul>

## RTSP and RTMP

Item		Description
RTSP	Require Password	Turn Require Password on or off.
	Set RTSP Access Password	Set or change an RTSP access password.
	RTSP URL Address	Displays RTSP URL address.
RTMP	Server URL	Copy and paste your video platform's server URL and stream key.
	Stream Key	
	Start Using RTMP	Click <b>Start</b> to start streaming, <b>Stop</b> to stop streaming.

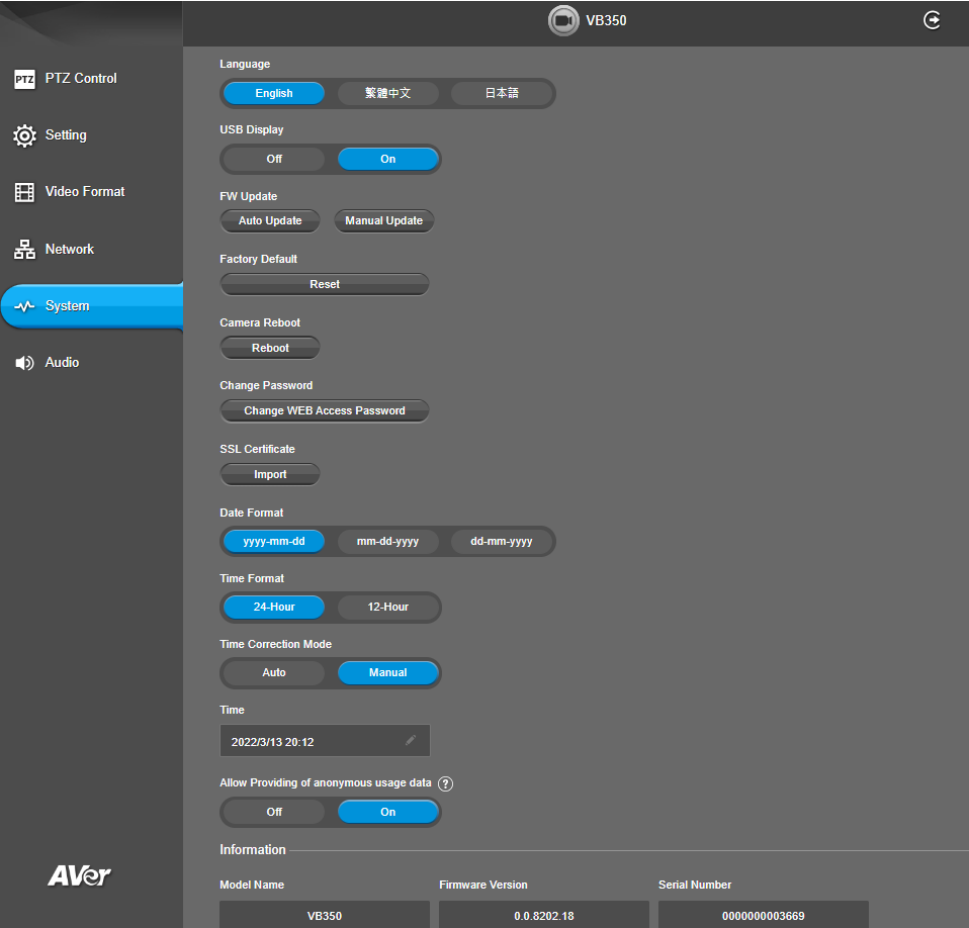


# Network



Item	Description
Hostname	Click the pencil icon to edit a hostname. Use upper and lowercase letters and numbers.
Static IP, DHCP	<div>Set the network setting to Static IP or DHCP.</div> <ul style="list-style-type: none"><li>Static IP (default): Enter your network settings to set up a static IP connection and click <b>Confirm</b>.</li><li>DHCP: The DHCP server assigns a random IP automatically.</li></ul>

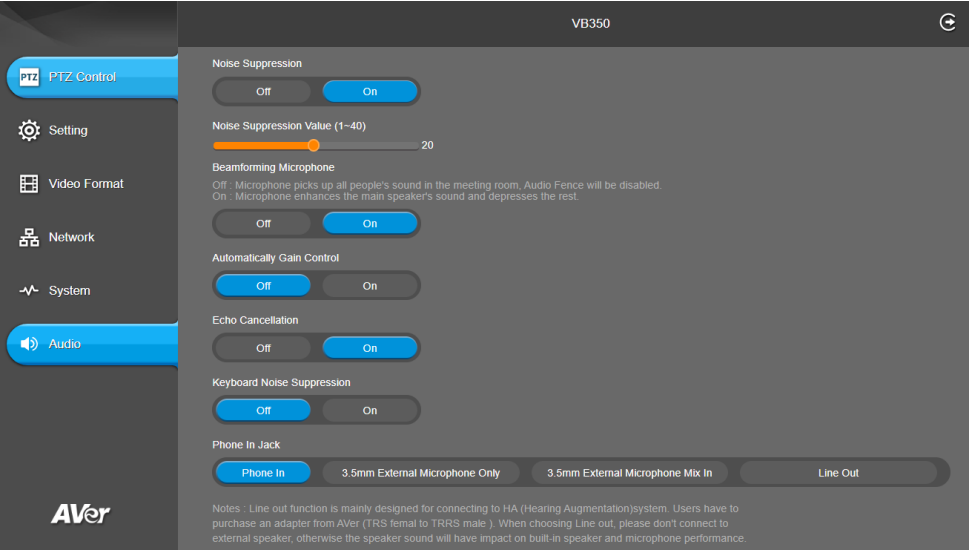
# System



Item	Description
Language	Change the web interface language.
USB Display	Turn the function on to enable image output via USB.
FW Update	<div>Update your camera firmware.<ul style="list-style-type: none"><li>• Auto Update: Check and update online.</li><li>• Manual Update: Update the downloaded firmware file.</li></ul><div><b>Note:</b> The camera will reboot and the connection will be lost. Please wait a few minutes and keep the power cable connected. Unplugging the cable during this process may damage the device.</div></div>

Factory Default	<p>Reset your camera to factory default settings. You can choose to keep the IP address by selecting the checkmark.</p> <ul style="list-style-type: none"> <li>• If you forgot your password, use Room Management to reset the web interface password to the default <b>aver4321</b>.</li> </ul>
Camera Reboot	Reboot the camera.
Regular Reboot	<p>Schedule regular reboots to clear RAM and maintain smooth performance. Reboots occur only when no video is streaming.</p> <ul style="list-style-type: none"> <li>• Next Reboot Time: Click the pencil icon to enter a specific reboot time. When finished, click <b>Confirm</b>.</li> <li>• Re-Occur: Select the reboot frequency from the drop-down list. The default setting is to reboot every 3 days.</li> </ul>
Change Password	Change the web interface password.
SSL Certificate	Upload an SSL certificate.
Date Format	Select a date format.
Time Format	Select a time format.
Time Correction Mode	<p>Select a time correction mode.</p> <ul style="list-style-type: none"> <li>• Auto: Enter your Network Time Protocol (NTP) server URL to synchronize the clock. The default NTP server is located in the US.</li> <li>• Manual: Click the pencil icon to set up the clock.</li> </ul>
Information	Displays your camera information such as IP address and more.

# Audio

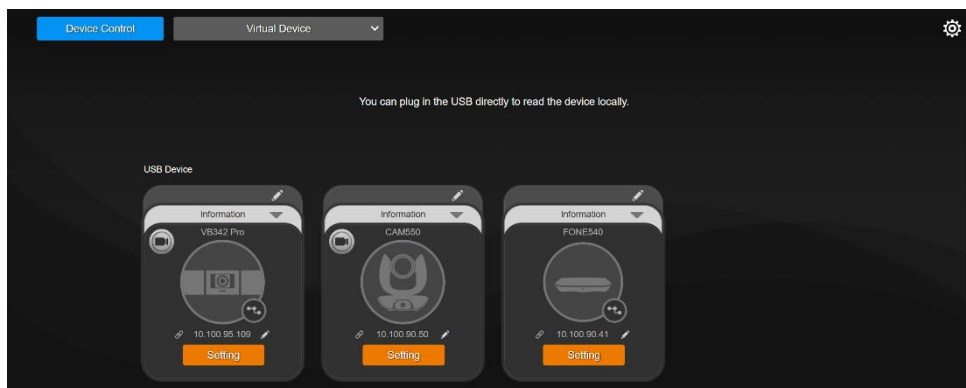


Item	Description
Noise Suppression	Turn the function on to reduce ambient noise.
Noise Suppression Value (1~40)	Drag the slider to adjust the suppression value.
Beamforming Microphone	<ul style="list-style-type: none"><li>Off: The microphone picks up all the presenters' voices in the meeting room, and Audio Fence will be disabled.</li><li>On: The microphone enhances the main presenter's voice and depresses the rest.</li></ul>
Automatically Gain Control	Improve and adjust the received human voices to a similar volume for the remote end.
Echo Cancellation	Reduce re-appearing sounds during online calls.
AI Noise-Cancelling	Turn on the function to eliminate the background noise.
Reduce Reverberation	Turn on the function to reduce the echo in open or empty space.
Phone In Jack	<ul style="list-style-type: none"><li>Phone In: Connect your mobile phone to the Phone In port to use as an external speakerphone in mobile-based video conferencing.</li><li>3.5mm External Microphone Only: Connect to an external microphone as the only audio transmitter.</li><li>3.5mm External Microphone Mix In: Connect to an external microphone for joint audio transmission with VB350.</li><li>Line Out: Connected to a hearing assistance (HA)</li></ul>

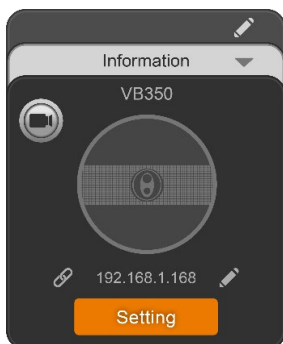
	<p>system. An audio-out converter (TRS female to TRRS male, optional accessory) is required.</p> <p><b>Note:</b> Avoid connecting to an external speaker when using Line Out. External audio may interfere with the built-in speaker and microphone performance.</p>
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# Room Management

## Configure Settings on Room Management



1. Download and install Room Management (formerly PTZApp 2) to your computer from AVer Download Center. (<https://www.aver.com/download-center>) and launch the software.
2. Connect your device to your computer using the included USB cable. Your device should appear under the **Device Control** page.
3. Click **Setting** to control audio and video settings.



# EZLive

Please go to <https://www.aver.com/download-center> to download the AVer EZLive software. After downloading, double-click on the file and follow the on-screen instructions to complete the installation.

## Use AVer EZLive

During a video call, EZLive can help user to do:

- (1) Camera ePTZ
- (2) Volume control for the speaker connected
- (3) Capture camera's still images
- (4) Record video
- (5) Live stream to YouTube, Livehouse.in, USTREAM, etc.
- (6) Camera Zoom in/out
- (7) Capture PC screen shot
- (8) Record PC screen video
- (9) Set up livestream
- (10) Open file management to retrieve photos and video files
- (11) Livestream setting
- (12) Drawing tool.

