

ViewSonic VB-CAM-201 Cast Button



ViewSonic VB-CAM-201 Cast Button User Guide

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ViewSonic VB-CAM-201 Cast Button

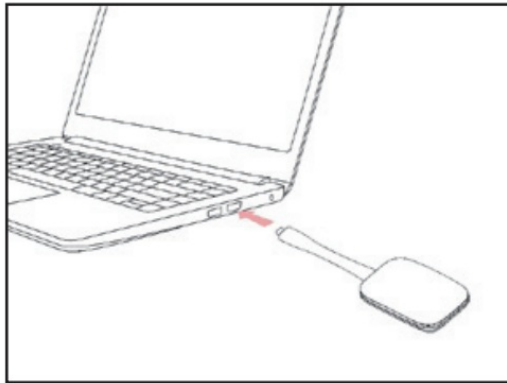


Device Requirements

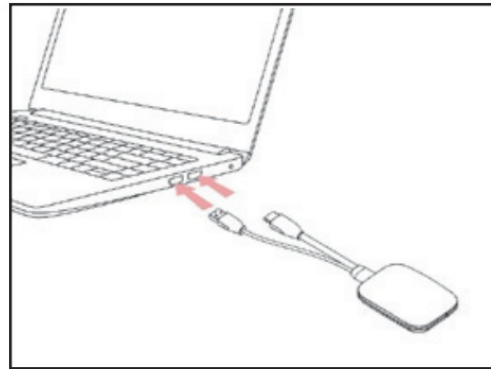
- **Windows** 7/8/10/11 and vCast.
 - **MacOS** 10.10 or above
 - ViewSonic IFP/CDE series device with vCast installed and activated.
 - **VB-WPS-001:** Device(s) supports fully-featured USB Type-C function cover USB & DP port
 - **VB-WPS-003:** Device(s) support HDMI & USB Type-A
- NOTE:** ■ For BYOM feature: ViewSonic IFP/CDE series device connected with VB-CAM-201 webcam.

Pairing

Windows PC and MacBook Pairing



VB-WPS-001
Figure 1



VB-WPS-003
Figure 2

1. Plug-in the ViewBoard® Cast Button into your Windows PC or MacBook to pair.
 - For VB-WPS-001: Please plug-in to the USB Type C port (Figure 1).
 - For VB-WPS-003: Please plug-in to both the HDMI out and USB Type A ports (Figure 2).
2. If it is the first time to pair the ViewBoard® Cast Button with your Windows PC, please double click "ViewBoard Cast.exe" in: PC > CD Drive > ViewBoard Cast.

NOTE: ■ If running on a MacBook, please enter the user password to access the application installation permission.
3. For PC, with the application installed, ViewBoard® Cast will launch automatically after the ViewBoard® Cast Button is plugged into the PC.
4. The pairing dialogue box will pop up on your PC. Please enter the Network Name, Password, and the vCast IP address shown on the IFP/CDE device(s) home screen.
5. Click OK to complete the pairing of the ViewBoard® Cast Button and the IFP/CDE device(s) (Figure 3).



Figure 3

6. Remove the ViewBoard® Cast Button and then plug it in again to start sharing (Figure 4).

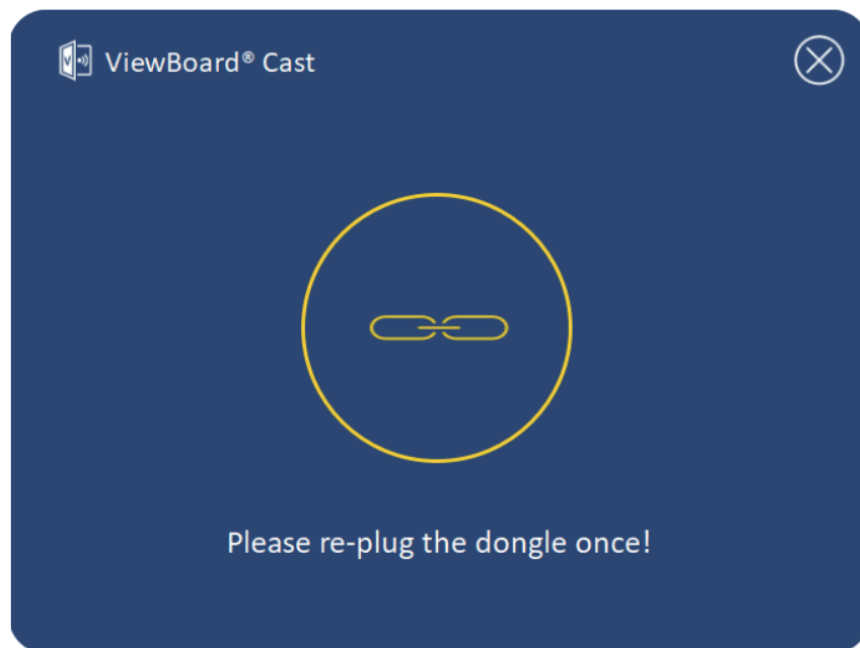


Figure 4

7. If the ViewBoard® Cast Button has been paired, and you would like to pair it with another IFP/CDE device, please click the “Pairing-Switch Button” at the bottom right corner (Figure 5) and re-enter the network information to re-pair the ViewBoard® Cast Button (Figure 6). After the ViewBoard® Cast Button is re-paired, please remove it and plug it in again to start sharing.

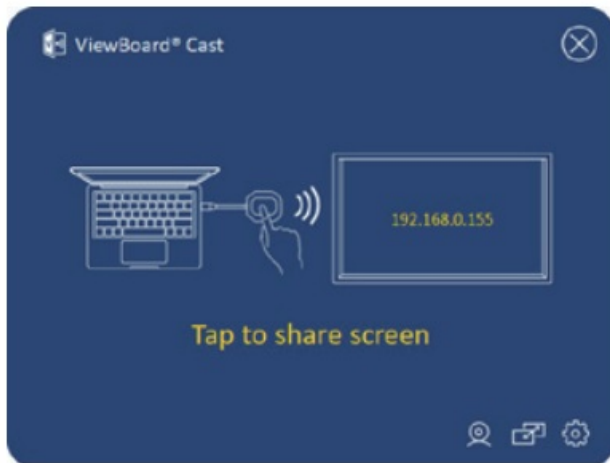


Figure 5

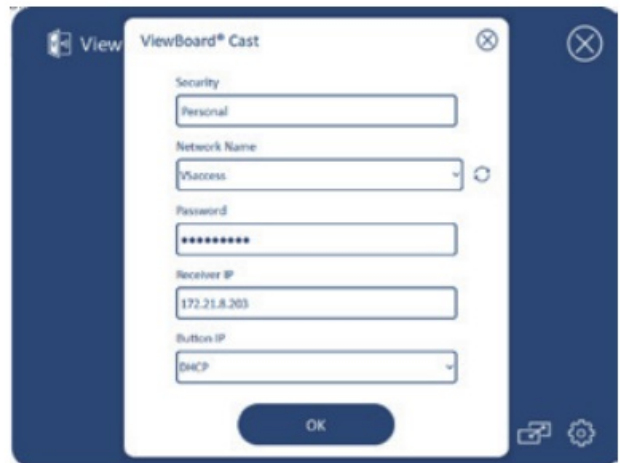


Figure 6

ViewBoard IFP/CDE Pairing

You can also plug-in the ViewBoard® Cast Button into IFP/CDE device(s) to pair if the IFP/CDE device(s) is connected to a LAN (Ethernet cable).

For VB-WPS-001:

1. Attach the USB Type C to USB Type A adapter to the VB-WPS-001 ViewBoard® Cast Button (Figure 7).
2. Then plug the ViewBoard® Cast Button into the IFP/CDE device's USB port for pairing.

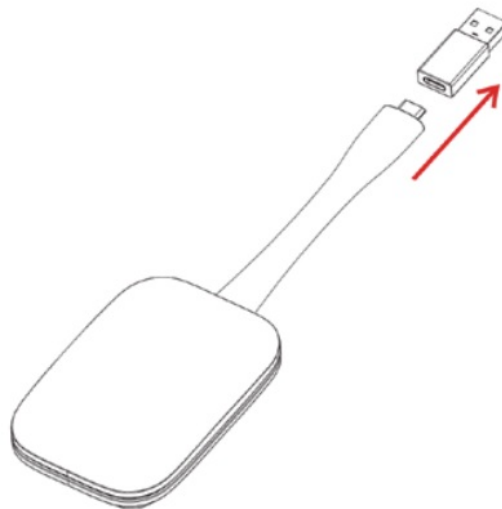


Figure 7

NOTE: The USB Type C to USB Type A adapter is for optional IFP/CDE device pairing only.

For VB-WPS-003:

1. Plug the USB Type A cable into the IFP/CDE device's USB port for pairing.
2. A "Pairing" dialogue box will appear.
3. Enter the Network Name and Password, then select Save to pair (Figure 8).

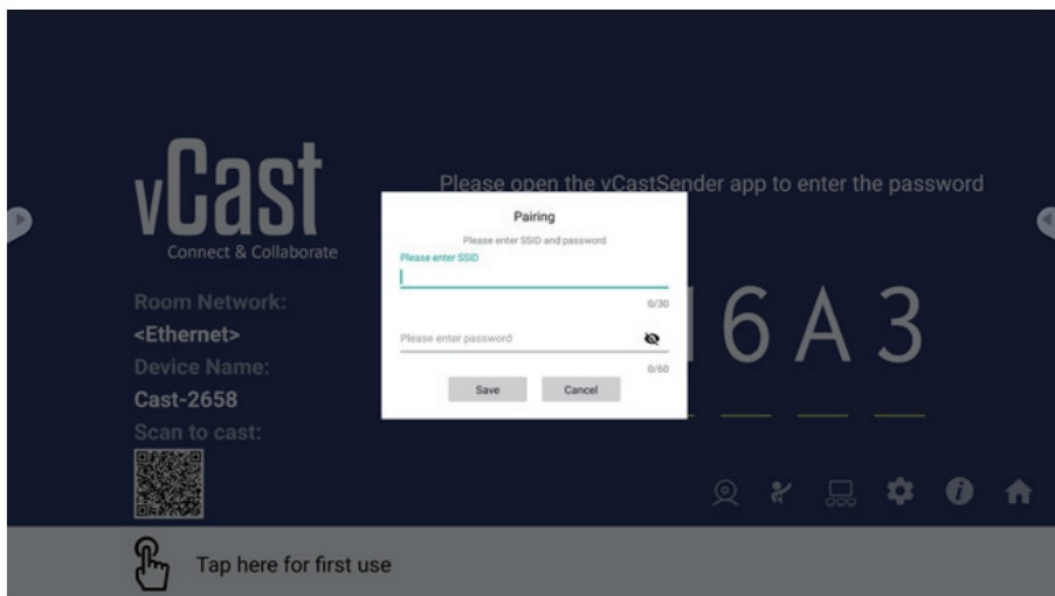


Figure 8

Screen Sharing

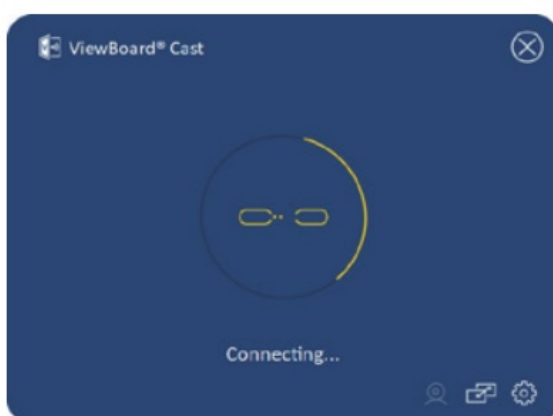


Figure 1



Figure 2

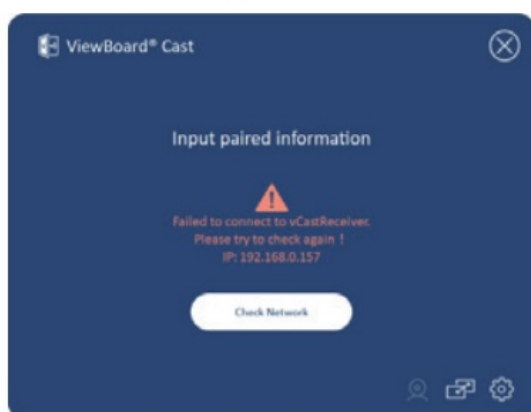


Figure 3



Figure 4

NOTE: Ensure the ViewBoard® Cast Button is plugged into your Windows PC/MacBook.

1. When the ViewBoard® Cast Button is connecting to your device, the LED indicator will be flashing blue. Your device is ready for screen sharing when the LED indicator changes to static blue (Figure 1).
2. Tap the button of the ViewBoard® Cast Button to share your device's screen to another display. The LED

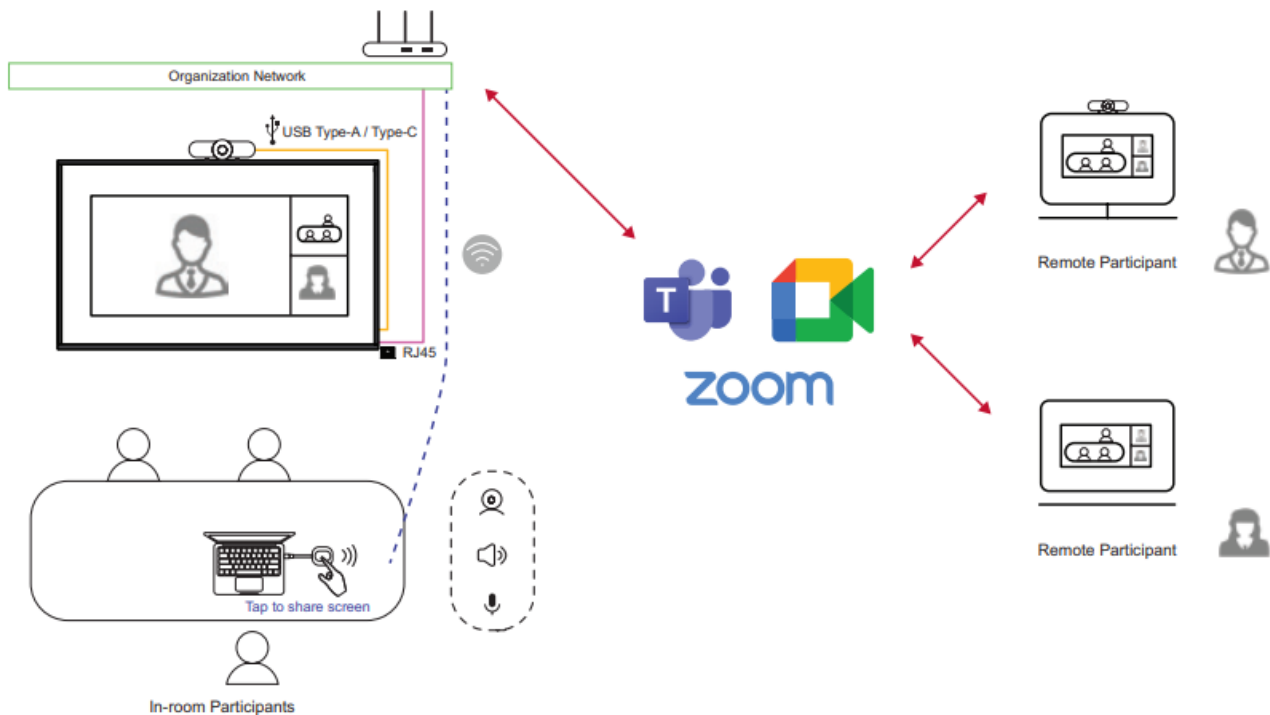
indicator will change from blue to white when it's successfully connected and sharing (Figure 2).

3. If the LED indicator only flashes white and fails to connect, please ensure the IFP/CDE device(s) are working correctly and that the pairing information is entered correctly (Figure 3 and 4).

BYOM

Introduction

ViewBoard Cast Button's advanced feature of BYOM (Bring your Your Own Meeting) lets you use your own laptop to host a video conference with your preferred conferencing software (e.g., Microsoft Teams, Zoom, and Google Meet). You can extend your meeting to a ViewSonic IFP/CDE series device, optimizing workplace productivity.



NOTE: ViewSonic IFP/CDE series device with built-in or external USB VB-CAM-201 webcam is required to use this feature.

How to Use the BYOM feature

1. Plug the ViewBoard Cast Button into your laptop.
2. Start the vCast or the vCastPro and wait for the ViewBoard Cast Button to connect with the camera.

NOTE: Connection to the camera is established when the camera icon on the ViewBoard Cast changes from gray to white.

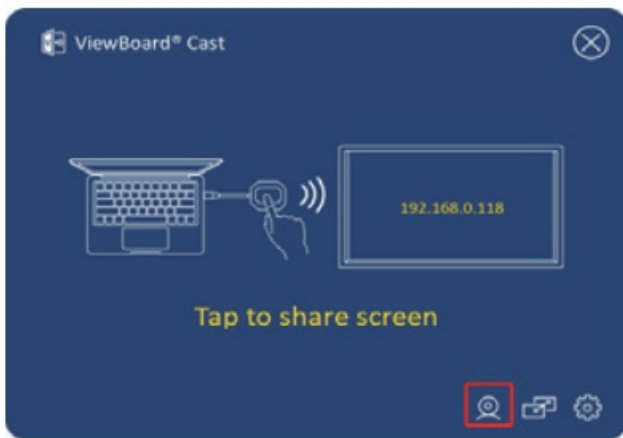


Figure 1

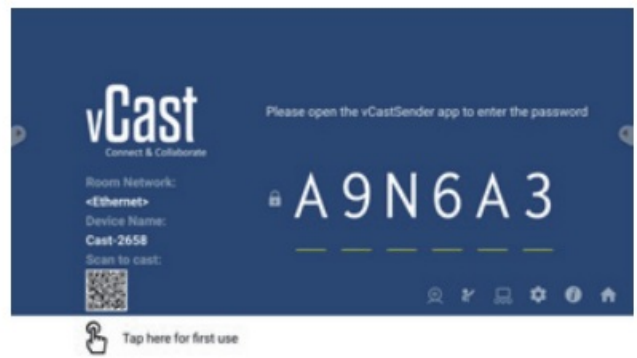

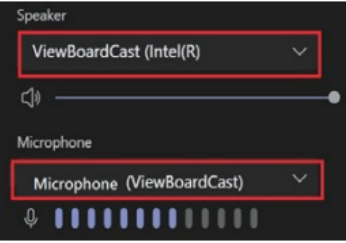
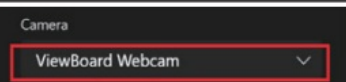


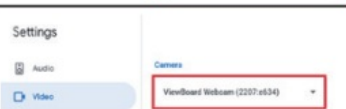


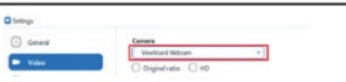


Figure 2

3. Start a meeting on Microsoft Teams, Zoom, or Google Meet from your laptop.
4. Tap the ViewBoard Cast Button to share content onto the ViewBoard IFP/CDE device.
5. Select “ViewBoard Cast” as your Microphone/Speaker source and “ViewBoard Webcam” as your Camera source from the conferencing software

NOTE: Refer to the screenshots on the next page.

Conferencing Software	Audio and Video Settings	
 Microsoft Teams	Audio	
	Video	
 Google Meet	Audio	
	Video	
 Zoom	Audio	
	Video	

Network information

- **Wi-Fi:** 802.11ac 5GHz channel for table on non-DFS channels in your country.

NOTE: In the USA, channels are 36~48 and 149~165.

- **Bandwidth:** At least 10Mbps in a typical deployment. Latency shall be less than 50ms for HD video streaming, more than 10Mbps is required.
- **Ports:**
 - TCP 56789, 25123, 8212, 8000, 8600
 - UDP 48689, 25123
- **Port and DNS for activation:**
 - Port: 443
 - DNS: <https://vcastactivate.viewsonic.com>
- **OTA service:**
 - Server Port: TCP 443
 - Server FQDN Name: <https://vcastupdate.viewsonic.com>

Appendix

Troubleshooting

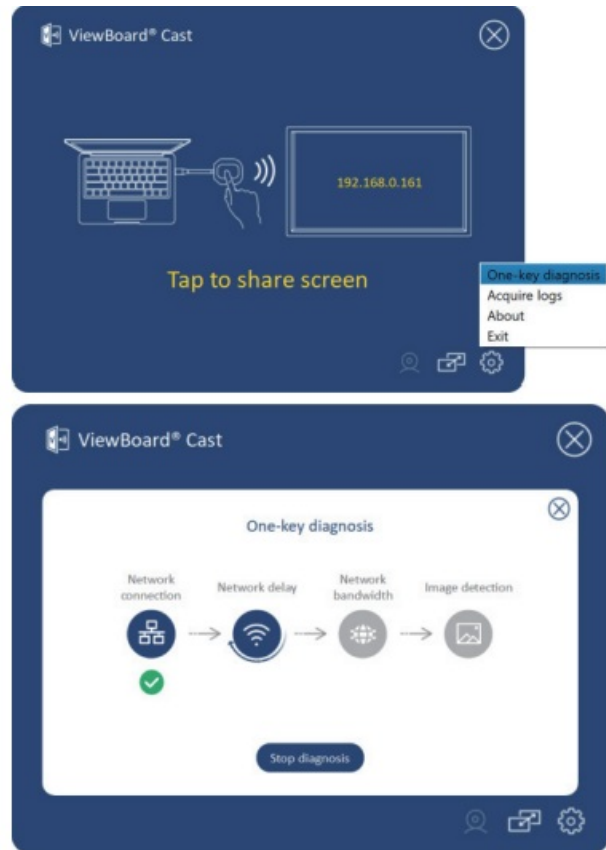
This section describes some common problems that you may experience when using the ViewBoard Cast Button.

NOTE: ■ **Please** contact your sales representative or IT department if you are experiencing any further problems.

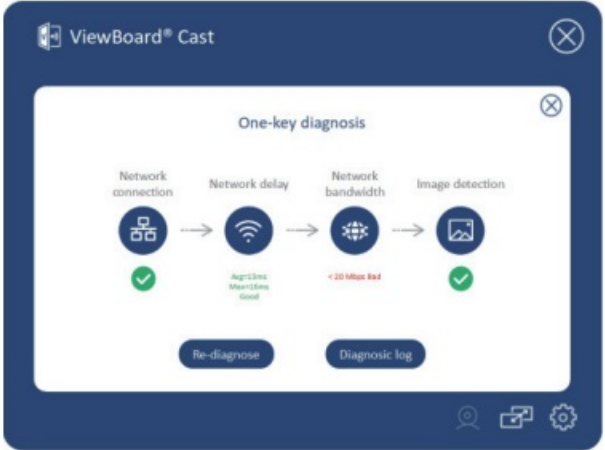
Problem or Issue	Possible Solutions
ViewBoard Cast Button is not pairing with IFP/CDE device	<ul style="list-style-type: none"> • Check that the ViewBoard Cast Button is plugged into your laptop. • Check that the LED indicator changes to static blue.
LED indicator is only flashing white	<ul style="list-style-type: none"> • Check that the IFP/CDE device is working correctly. • Verify that the pairing information is entered correctly.
IFP/CDE device cannot be found in the conferencing software	<ul style="list-style-type: none"> • Re-plug the USB webcam into the IFP/CDE device and restart the IFP/CDE device.
Audio and/or video is not outputting from the IFP/CDE device	<ul style="list-style-type: none"> • Check the device settings of the conferencing software. • Check the volume settings of the laptop and the IFP/CDE device. • Restart the IFP/CDE device.
Audio and/or video stops working during the conference	<ul style="list-style-type: none"> • Check that the network signal is strong. • Check device settings in the conferencing software. • Re-pair the ViewBoard Cast Button with the IFP/CDE device. • Restart the vCast or vCastPro and reconnect your laptop to the IFP/CDE device.

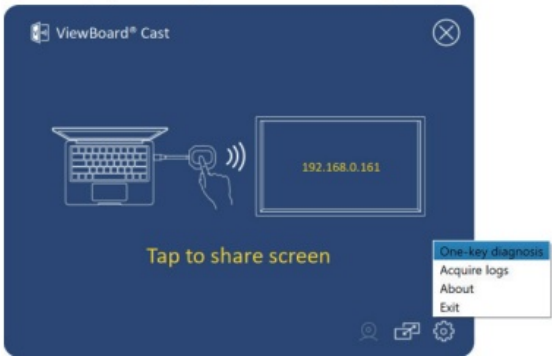
Bad audio and/or video quality through the IFP/CDE device

- Ensure the Wi-Fi network signal strength is good.
- Use 5GHz channel. The allocated bandwidth must be at least 10Mbps or higher.
- The network status of Button and IFP/ CDE devices can be detected through the one-key diagnosis function.
- SOP: Run the ViewBoard Cast program> Click the “Setting” icon> Select “One-key diagnosis”> Click “Start” on the One-Key Diagnosis page



- Restart vCast or vCastPro.

<p>“NO DISPLAYPORT SIGNAL” or “NO HDMI SIGNAL” is displayed on IFP/CDE after screen cast</p>	<ul style="list-style-type: none"> Use the “one-key diagnosis” function to check whether the PC port (Type-C or HDMI port) that the button is plugged into can acquire image normally.  <ul style="list-style-type: none"> If you are using VB-WPS-001, please make sure that the Type-C port of the computer supports DP image output. If the Type-C port of the computer supports DP image output, please re-plug it into the PC and try again. It may be that the cable plug into the Type-C port is unstable and causes no image output.
<p>Remote participant hears an echo when speaking</p>	<ul style="list-style-type: none"> Avoid placing the webcam (with microphone) or microphone next to the speaker. Avoid facing the webcam (with microphone) or microphone toward the speaker. Reduce the microphone volume to max. 100% if needed. Adjust the volume of the IFP/CDE device to 30% or less. Adjust your laptop volume to 70% or less.
<p>Volume is too low</p>	<ul style="list-style-type: none"> Verify that your microphone is not muted on the OS audio settings. Increase the microphone volume in the OS audio setting. Update the webcam or speaker to the latest firmware.

<p>If you encounter other issue that cannot be solved, please explain the issue phenomenon or take a video, and acquire the log for us to analyze</p>	<ul style="list-style-type: none"> • SOP: Reproduce the issue> Click the “Setting” icon> Select “Acquire log”> After Acquire the logs, click “Open logs” and copy dongle.txt and log.zip to us. 
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Regulatory and Service Information

Compliance Information

This section addresses all connected requirements and statements regarding regulations. Confirmed corresponding applications shall refer to nameplate labels and relevant markings on the unit.

FCC Compliance Statement

This device complies with part 15 of 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. 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.

Canadian Regulatory Statements

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

1. this device may not cause interference
2. this device must accept any interference, including interference that may cause undesired operation of the device.

CE Conformity for European Countries

- The device complies with the EMC Directive 2014/30/EU and Low Voltage Directive 2014/35/ EU.
- The following information is only for EU-member states:
- The mark shown to the right is in compliance with the Waste Electrical and Electronic Equipment Directive

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