ViewSonic®

ViewBoard® Cast

Connect & Collaborate
User Guide

Thank you for choosing ViewSonic®

As a world-leading provider of visual solutions, ViewSonic® is dedicated to exceeding the world's expectations for technological evolution, innovation, and simplicity. At ViewSonic®, we believe that our products have the potential to make a positive impact in the world, and we are confident that the ViewSonic® product you have chosen will serve you well.

Once again, thank you for choosing ViewSonic®!

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Introduction

ViewBoard® Cast for Windows software is designed for wireless presentations and wireless collaboration.

Working with ViewBoard® Cast software and the vCastSender app allows you to stream live recordings and annotate as well as share your screen, photos, videos, annotations, documents and camera directly onto ViewSonic® ViewBoard® Interactive Flat Panels and other mobile devices.

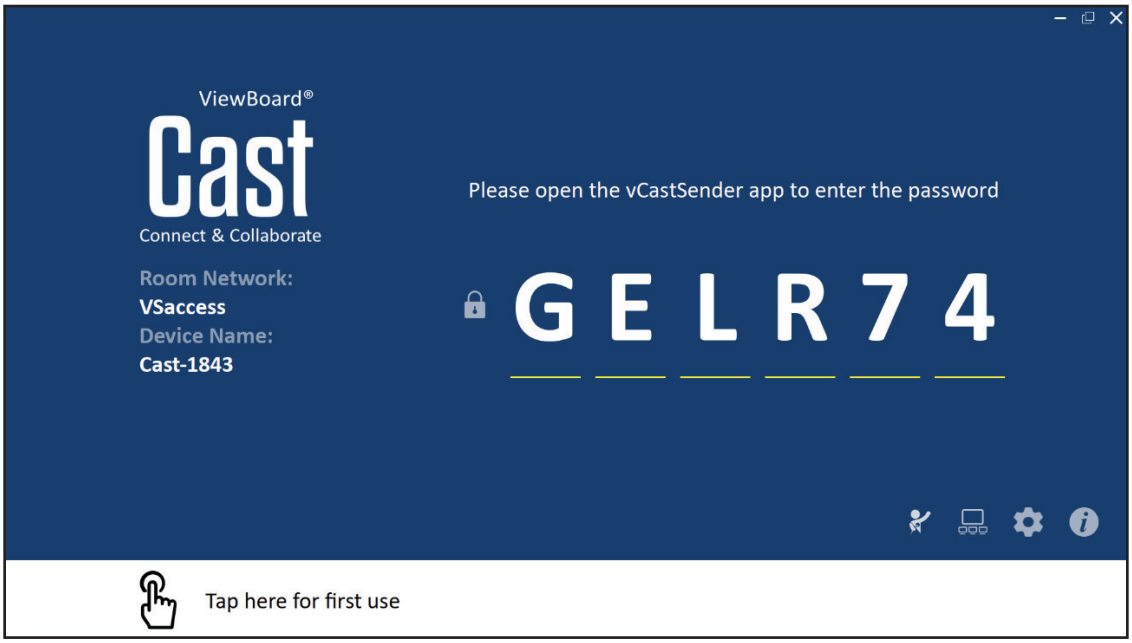
Presenters can control displayed content from a phone, tablet, or laptop while Android and iOS device users are able to use vCastSender's specialized annotation toolbar and control the ViewBoard® remotely. Whether in class or in a meeting, vCastSender makes teaching and group discussion quick and easy. The specialized moderation feature allows a moderator to take control of meetings or classrooms.

Wireless screen sharing and collaboration in just three easy steps:

1. Connect with ViewBoard® Cast.

2. Download vCastSender app.

3. Open vCastSender to share content.



ViewBoard® Cast has the following features:

Wireless Display	Users can connect to the same network or cross sub-network environments and display their personal screen to a ViewBoard® or display.
Multi-split screen display	Multiple users can connect and display concurrently to the ViewBoard® or display.
Touch feedback	The current presenter can use touch control on ViewBoard®'s screen to remotely control casting devices.
Remote View	Android/iOS users can view the screen of the current presenter on a ViewBoard® or display.
Annotation and collaboration	When viewing a presentation, users can annotate on the presenter's display via Android/iOS pen tools.
Moderator mode	The moderator has full control of a presentation session and can assign other participants to be the presenter or viewer. The moderator can broadcast a presentation cast to the connected devices to be viewers and make necessary annotations.

NOTE: The touch feedback function is limited when using Chrome.

> Preparing to launch ViewBoard® Cast

This section covers information you need to know about the ViewBoard® Cast software installed on your Windows PC device.

Needed components

- Suggested Windows PC hardware specifications:
  - » Intel i3 series CPU or better
- PC Operation system requirements:
  - » Wi-Fi capability – 2.4GHz /5.0GHz
    (5.0GHz band will provide better wireless screen sharing performance.)
  - » Microsoft® Windows* 7, 8, 8.1, 10

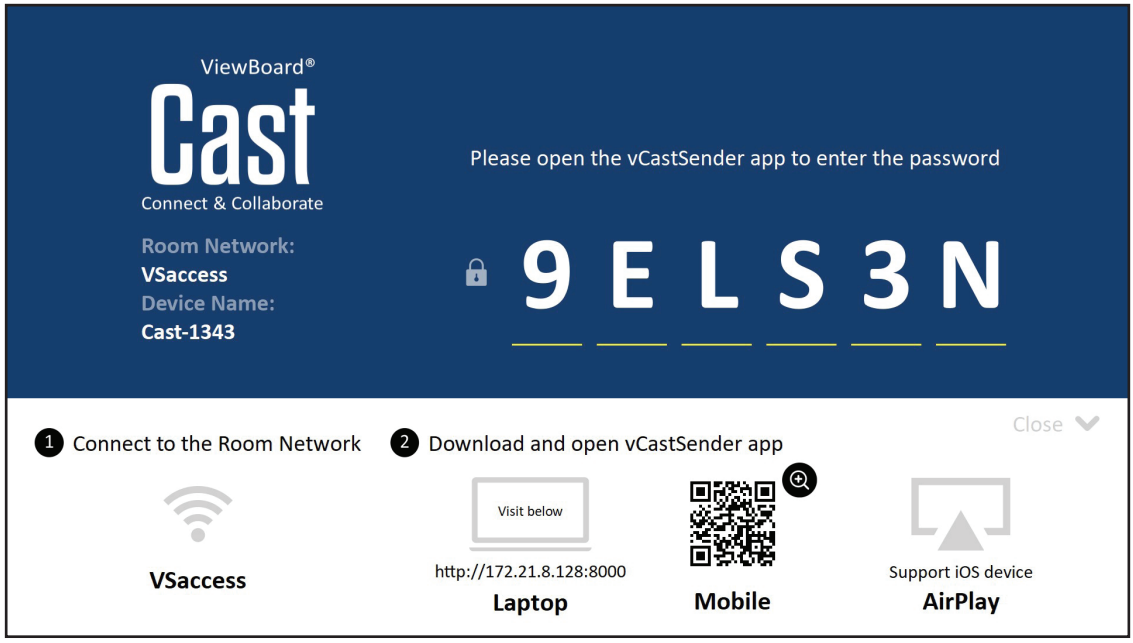
Launching ViewBoard® Cast

Follow the download link provided on the ViewBoard or display.

1. Connect to the room Network (i.e. “http://your company URL here”)

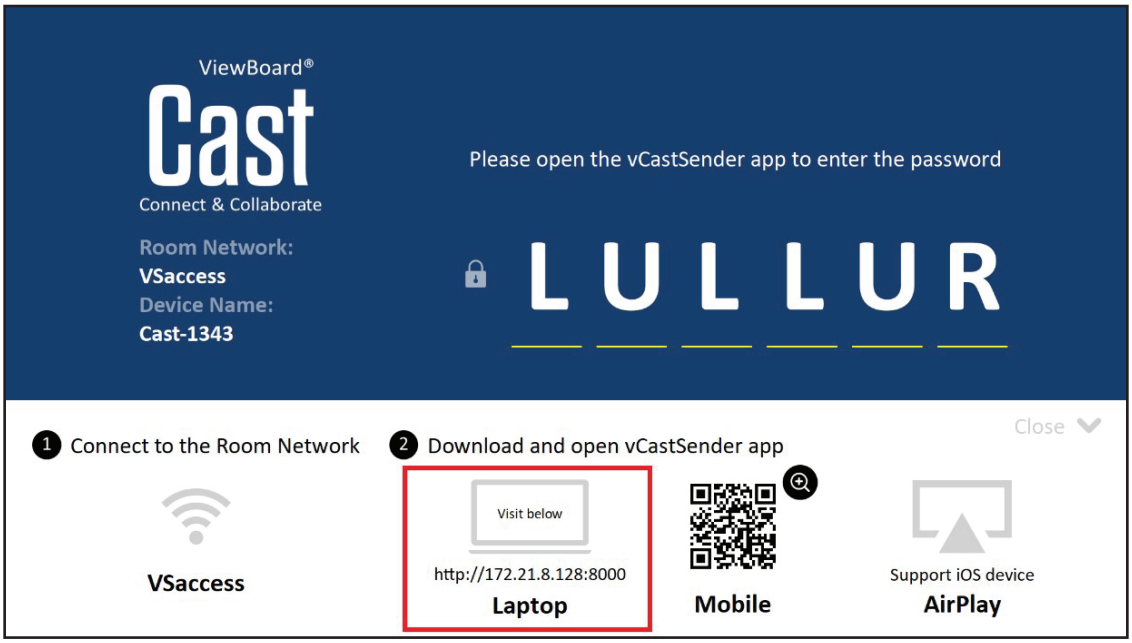
2. Download and open the Application

3. Launch vCastSender and enter the six (6) digit connecting PIN-code.

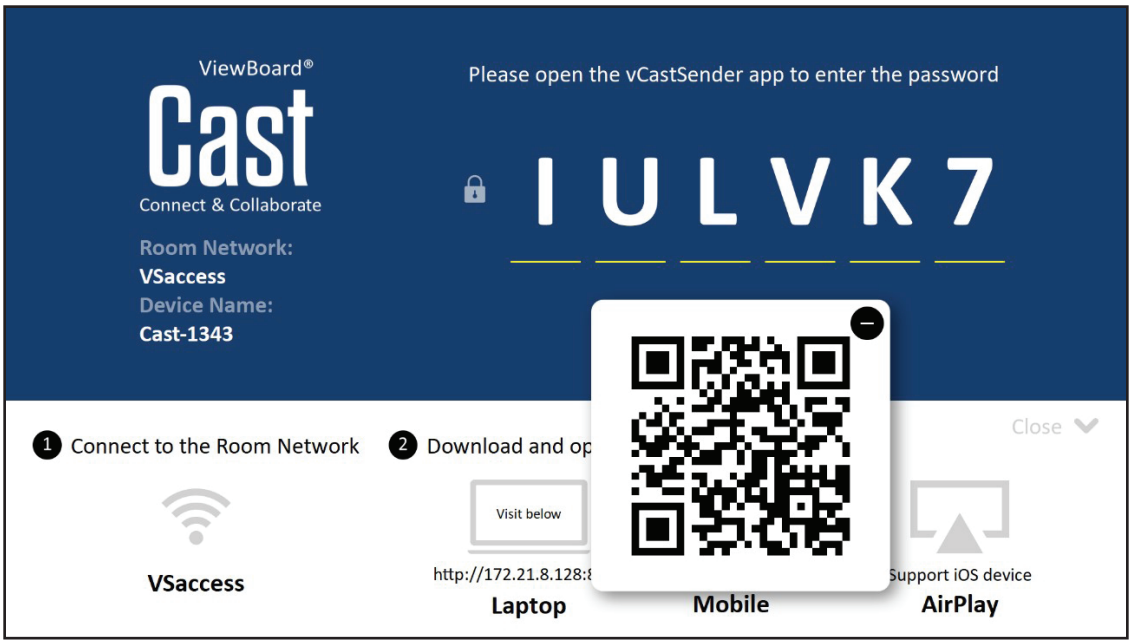


Starting ViewBoard® Cast on a client device.

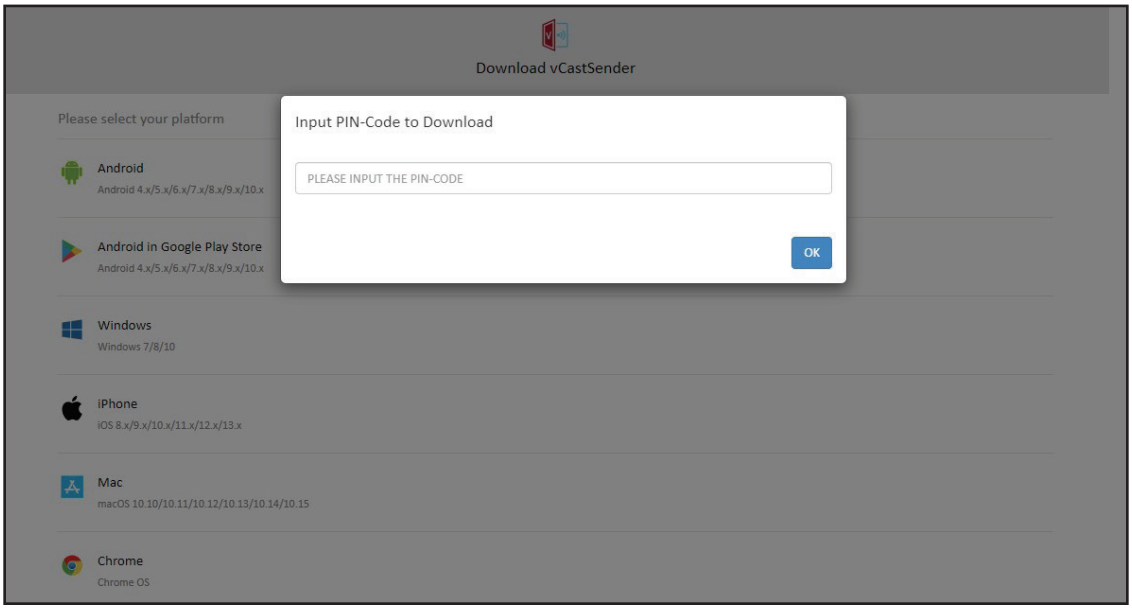
1. To start a ViewBoard® Cast, first search for the vCastSender application and ensure the client device is connected to the same ViewBoard® Cast room network server.

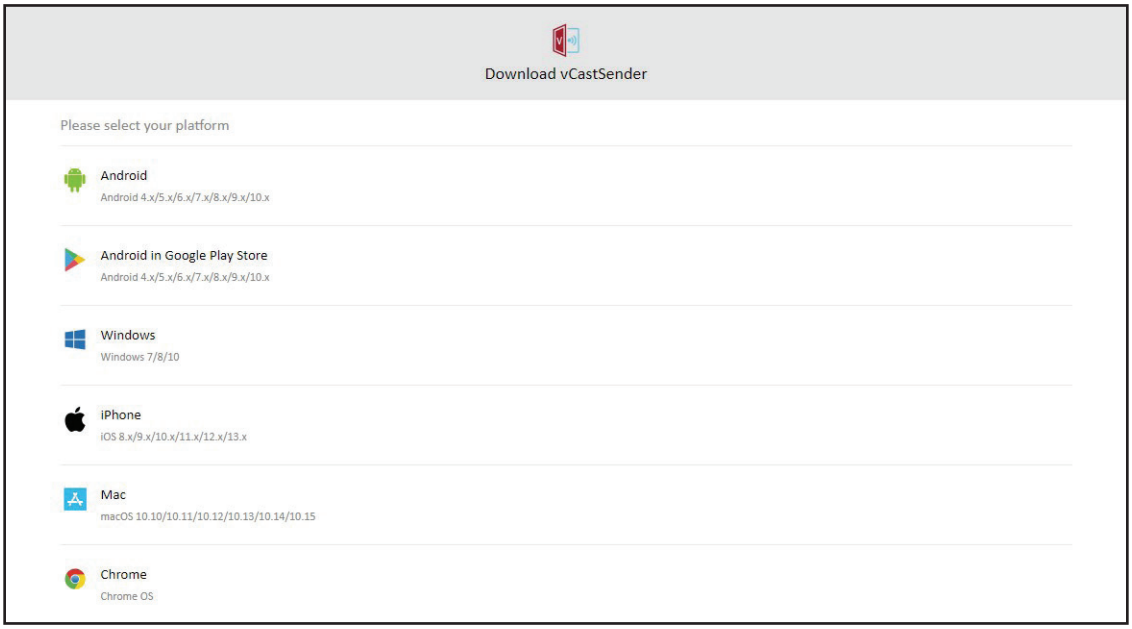


2. PC client devices (Windows/Mac/Chrome) should visit the address displayed in a browser; phone/tablet devices (Android/iOS) should use the QR code to scan and download the app directly from the server or from Google Play Store for Android devices, Apple Store for iOS devices, or Chrome Web Store for Chromebook devices.



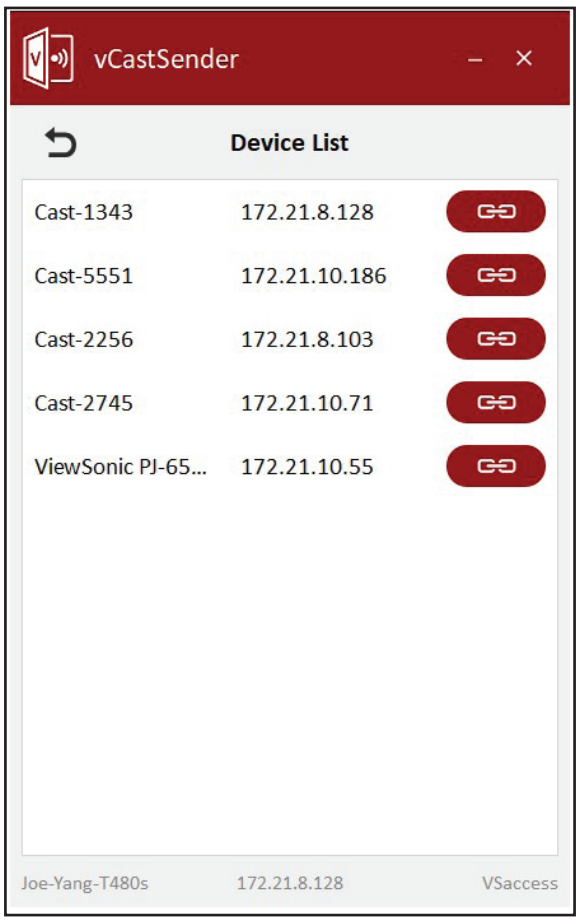
3. Input the displayed PIN-code to download and install the app.





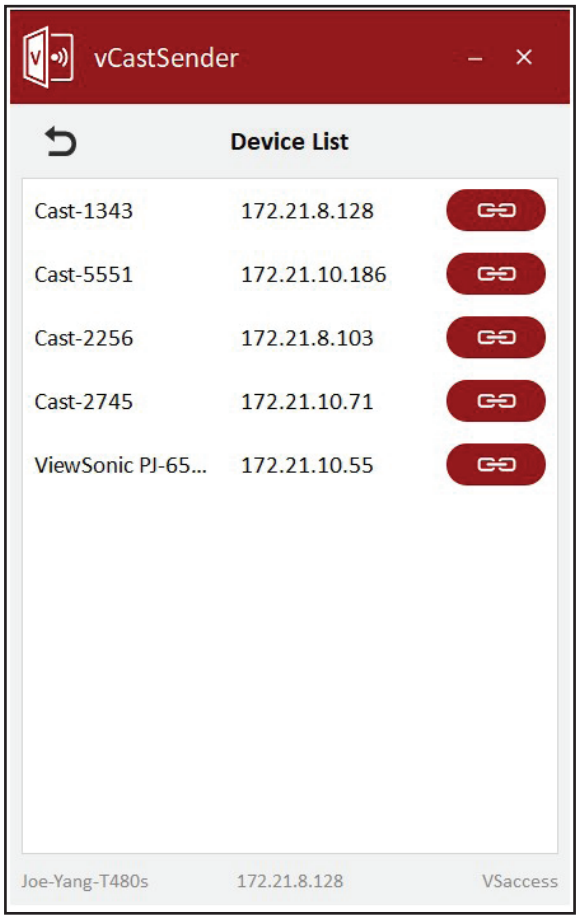
4. Once the client device has installed vCastSender the app can be launched.

5. Enter the six (6) digit PIN-code to wirelessly display content onto the ViewBoard®.



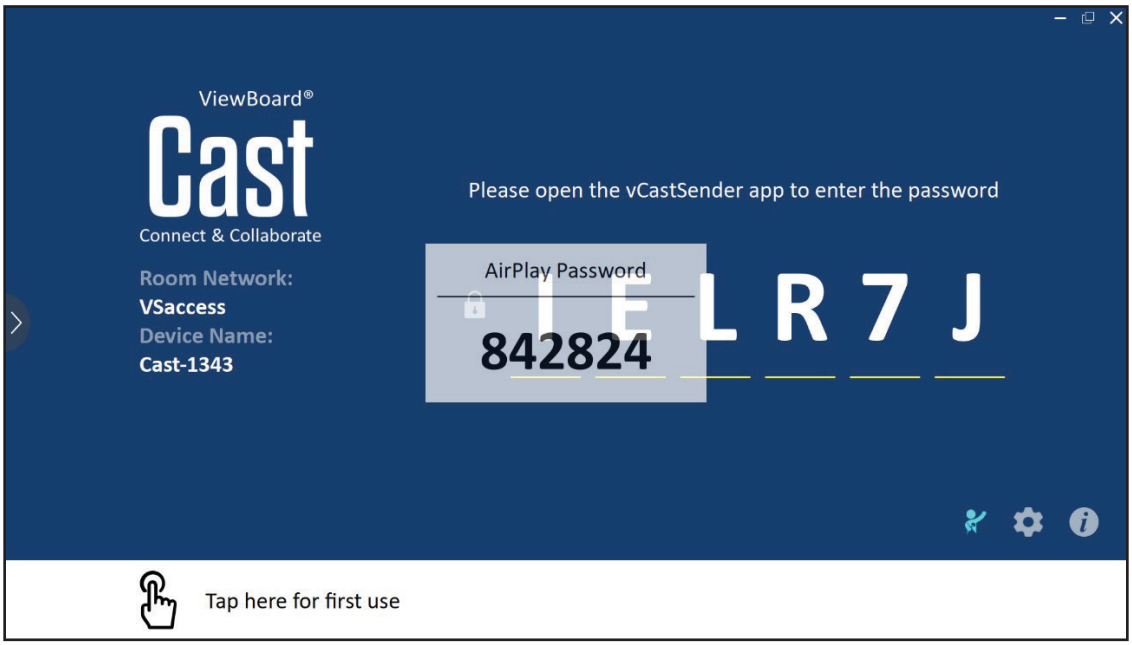
Network information

- ViewBoard® Cast software, laptops, and mobile devices can connect to both the same subnet and the cross subnet network by entering the PIN-code to connect to the ViewBoard.
- Connected devices will show up under “Device List” on the same subnet connection.



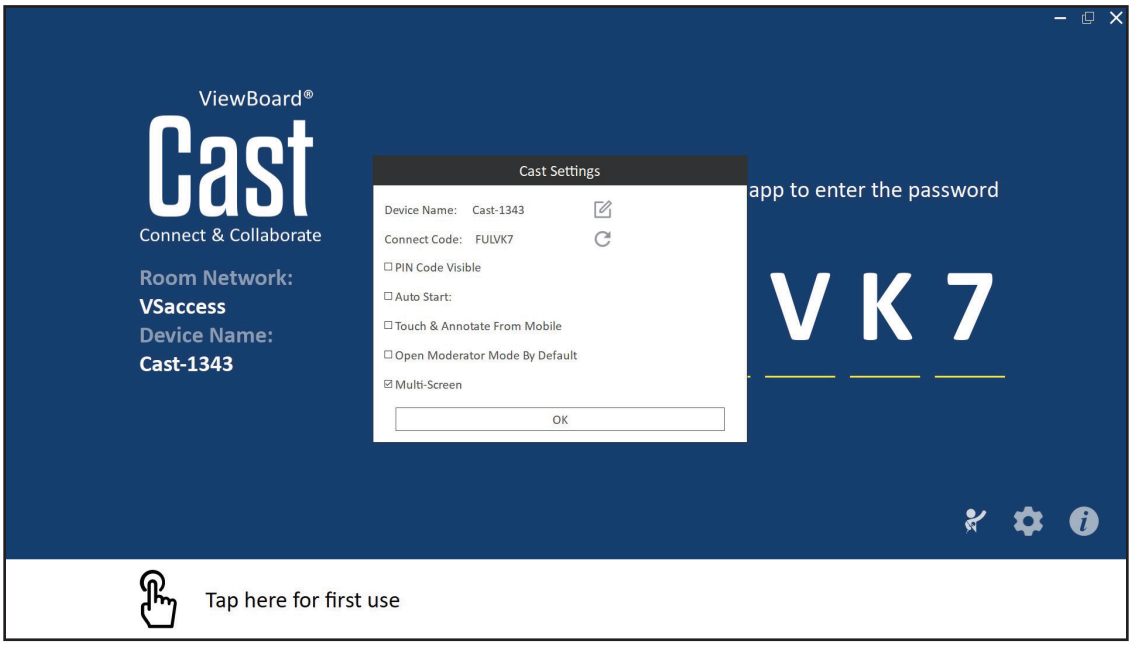
Casting to ViewBoard® with AirPlay

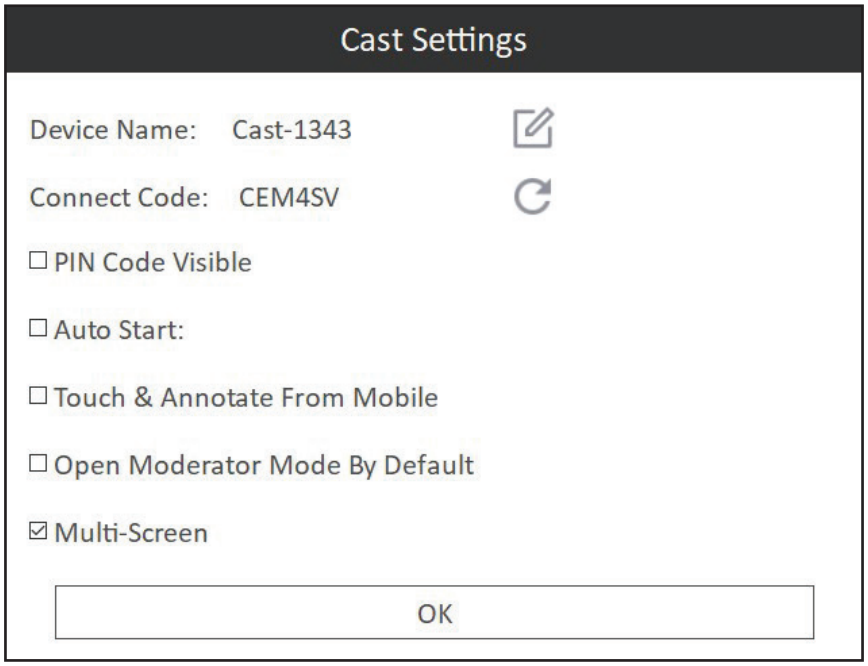
Apple AirPlay® is compatible with ViewBoard® Cast for screen mirroring and content streaming under the same subnet environment only. Another “AirPlay Password” number will be generated on-screen for connection when using AirPlay to cast to the ViewBoard®. If you are in a cross subnet environment, please connect with vCastSender iOS first.



ViewBoard® Cast setting:

ViewBoard® Cast allows you to make advanced Cast Settings by clicking the Settings icon located in the bottom right corner of the screen.





Device name	Allows users to set their preferred device name so it is easy to identify.
Connect Code	Click the refresh icon to generate a new random code.
PIN Code Visible	Toggle between showing the ViewBoard® Cast connection PIN-code in the upper right side of the windows screen for easy log-in or hide it.
Auto Start	ViewBoard® Cast will start automatically when you start your Windows PC.
Touch & Annotate From Mobile	Enable/disable the touch and annotate functions for mobile devices for easier screen management.
Open Moderator Mode by Default	Allows users to have moderator mode open by default.
Multi-Screen	Multiple users can wirelessly present to ViewBoard® Cast simultaneously.

NOTE:

- The current presenter can touch each split ViewBoard® screen to remotely control casting devices.
- The number of multi-screen presenters on-screen depends on your Windows CPU processor performance and router specs.

> Display Group settings for one to many casting

Display Group settings

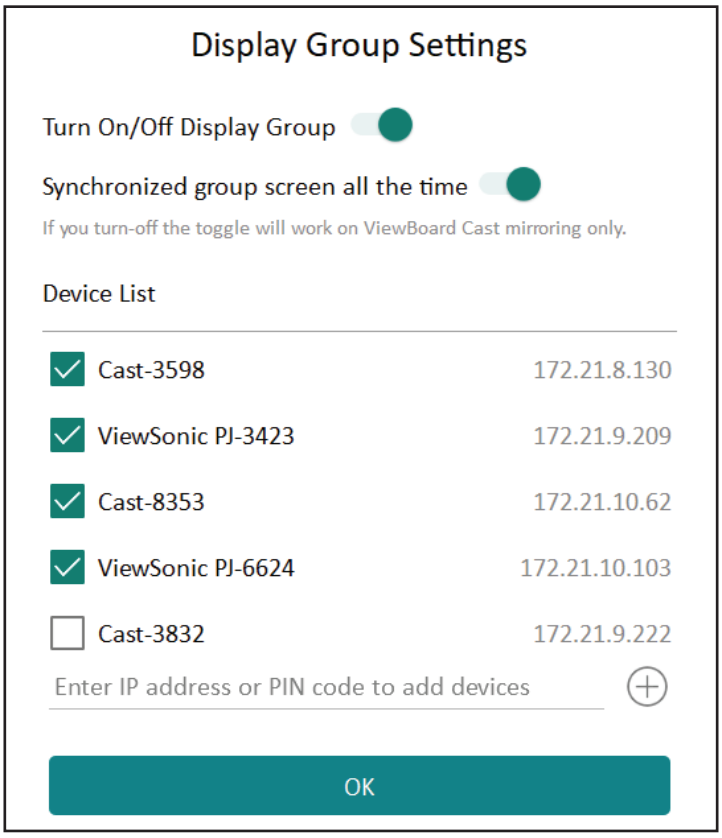
1. Click the Display Group Settings icon ( ) on the home screen and turn on the display group feature. Other preinstalled ViewBoard Cast devices in the same network will be listed.
2. Next, select the devices you want to join in the display group and click “OK” to save the settings.

   NOTE: If the devices you wish to group are not listed, you can enter their respective IP address or connecting PIN code.

3. Toggle the advanced feature, “Synchronized group screen all the time”, On or Off. If On, it will display a synchronized group screen continuously. If you toggle it Off, it will work on ViewBoard Cast mirroring only.

   NOTE:

   - The Display Group limit is a maximum of 4 devices.
   - Please select the correct devices to group first, then turn on the “Synchronized group screen all the time” function to avoid interruption.



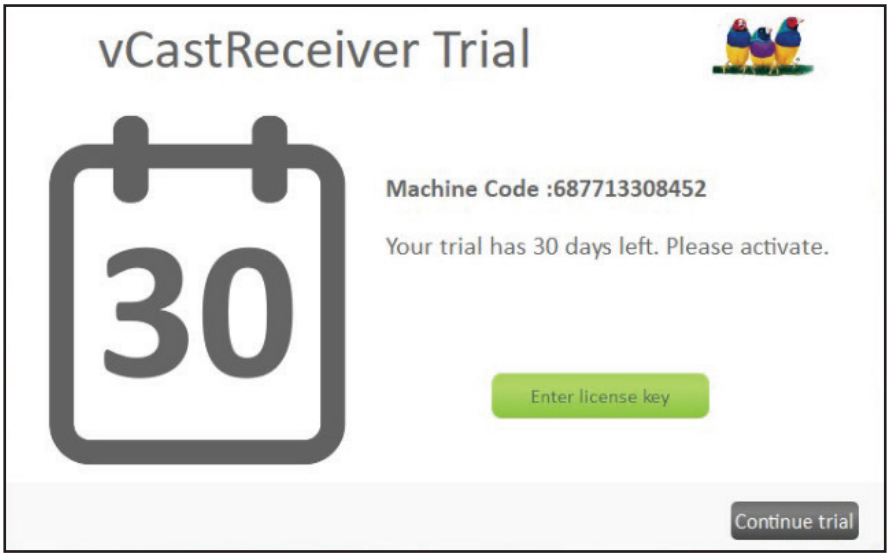
Share a screen to the grouped display (one to many casting)

After confirming the above settings, you can share your screen to the main display, then the grouped client devices will be synced up to your screen.

ViewBoard® Cast Activation

When using a trial version of ViewBoard® Cast software, a window indicating the number of days left in your trial will be displayed. To continue using the software after the trial period you must activate the software.

Please contact ViewSonic to purchase a license activation key.



ViewBoard® Cast User Features

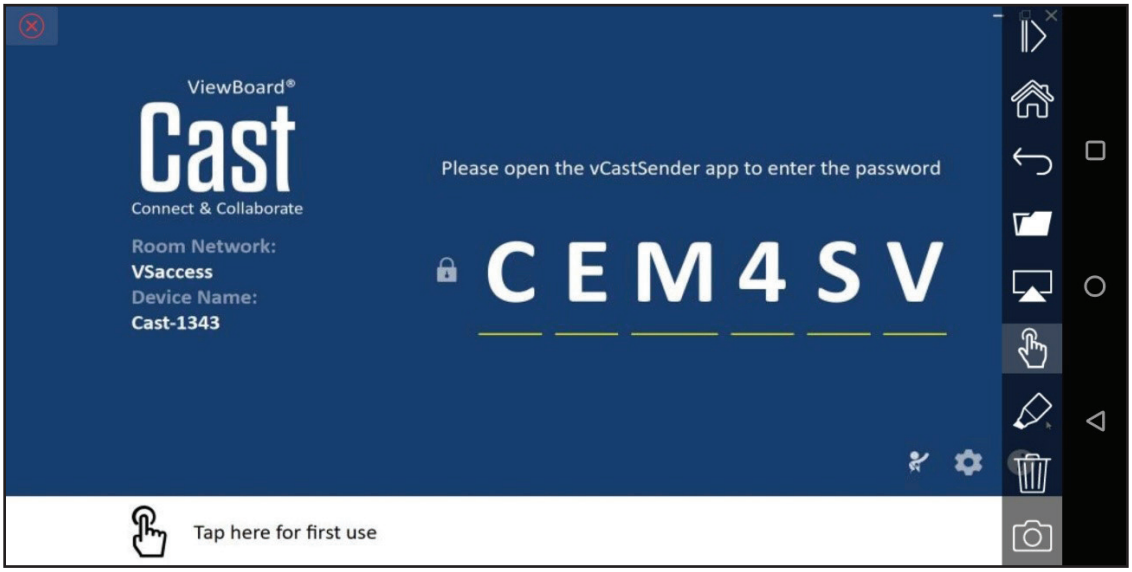
This section describes the ViewBoard® Cast – vCastSender application features you can use while connected to ViewBoard® Cast or a display.

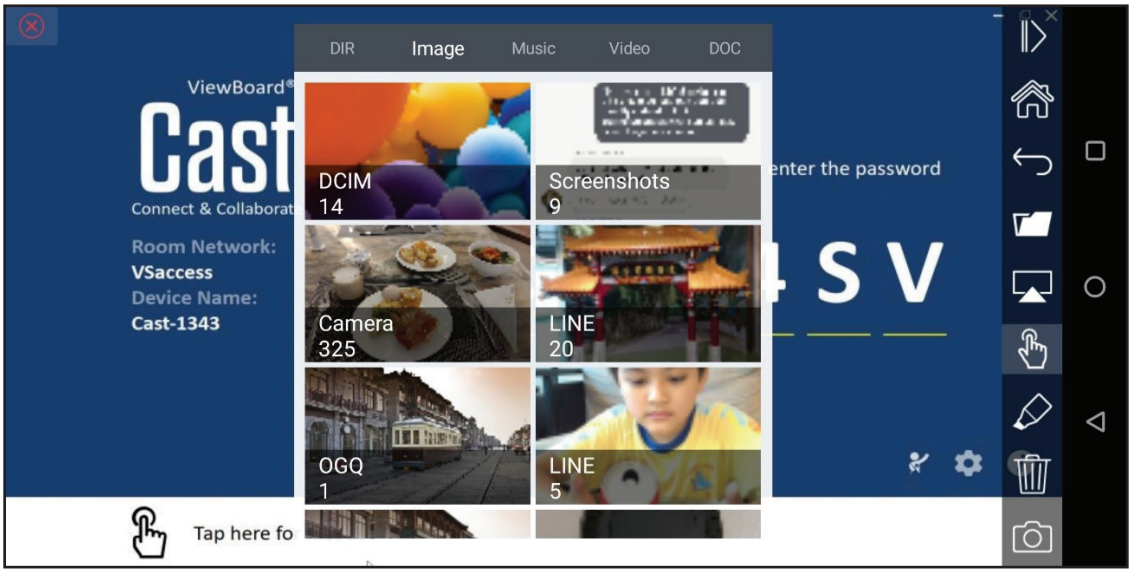
Connecting to a ViewBoard® or display from PC

Once connected, the vCastSender app for Windows, Mac and Chrome can wirelessly share your screen and use ViewBoard® touch to control your PC remotely.

Connecting to a ViewBoard® or display

Once connected, the ViewBoard® or selected display screen will appear on your phone.





Item	Description
Toggle	Click to hide or display the tool bar.
Home	Go to the Windows home page.
Return	Return to the previous operation interface.
Folder	View or open mobile device files including images, music, video and documents.
Share	Share your screen onto the connected ViewBoard® or display.
Touch	Touch to remotely control the ViewBoard® or display.
Annotation	Annotation is used to quickly highlight and point out specific items or sections on a displayed screen. You can switch between pen colors by selecting your preferred color.
Clear	Click to clear everything on the screen.
Camera	Can be used to send camera images to the ViewBoard® or display.

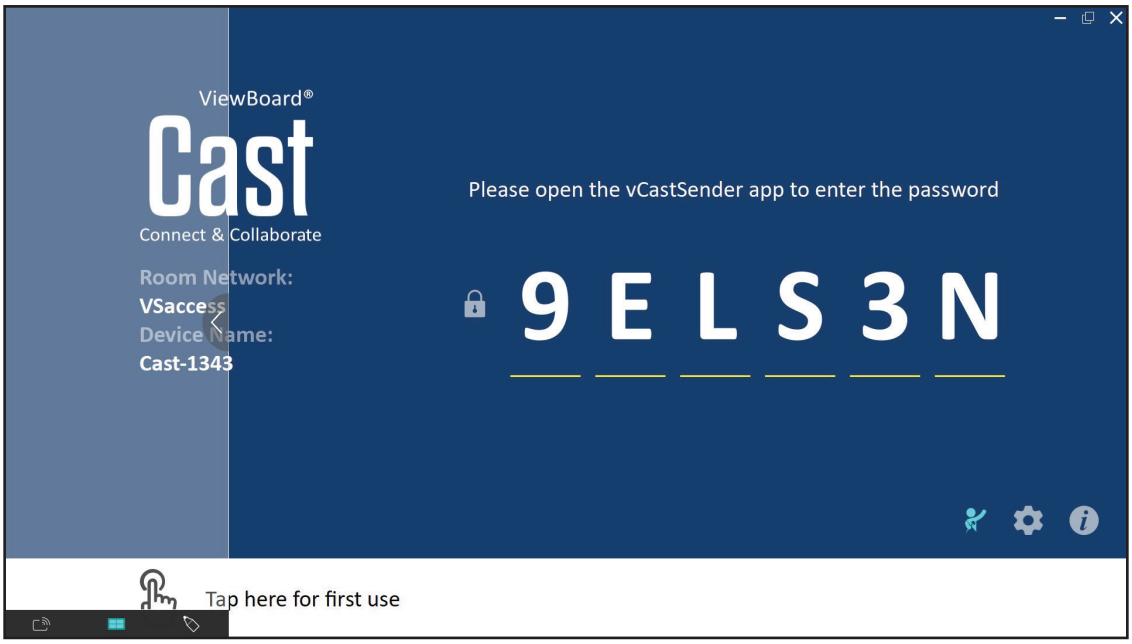
Moderator mode for PC users (Window/Mac/Chrome only)

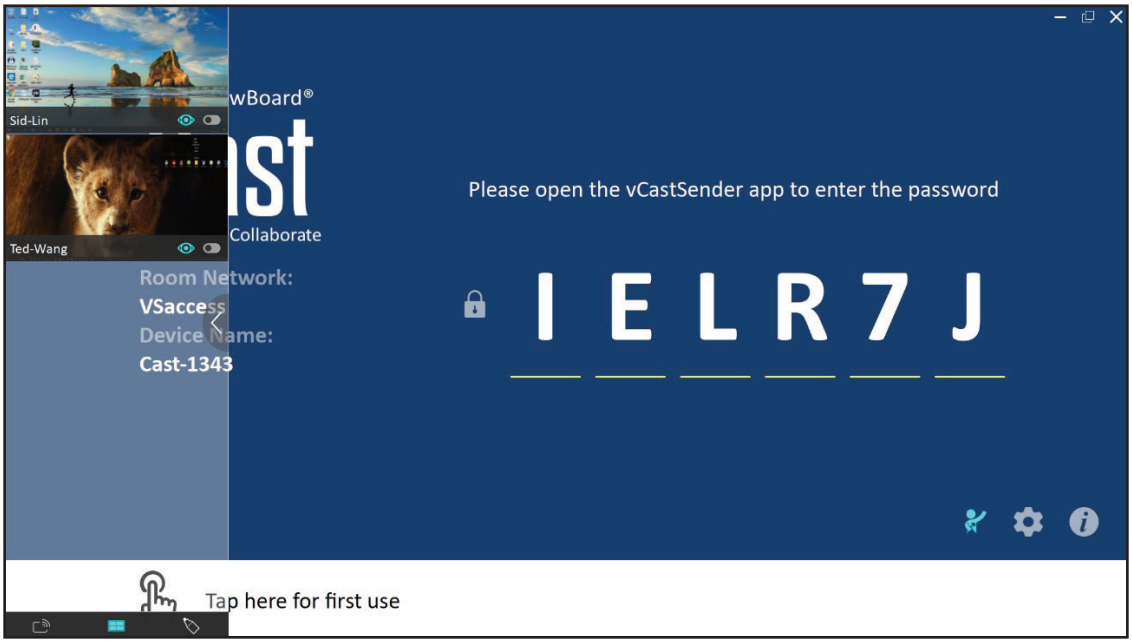
Click the Moderator icon on-screen to enter ViewBoard® Cast Moderator mode, the feature allows the Moderator to take control of meetings or a classroom.

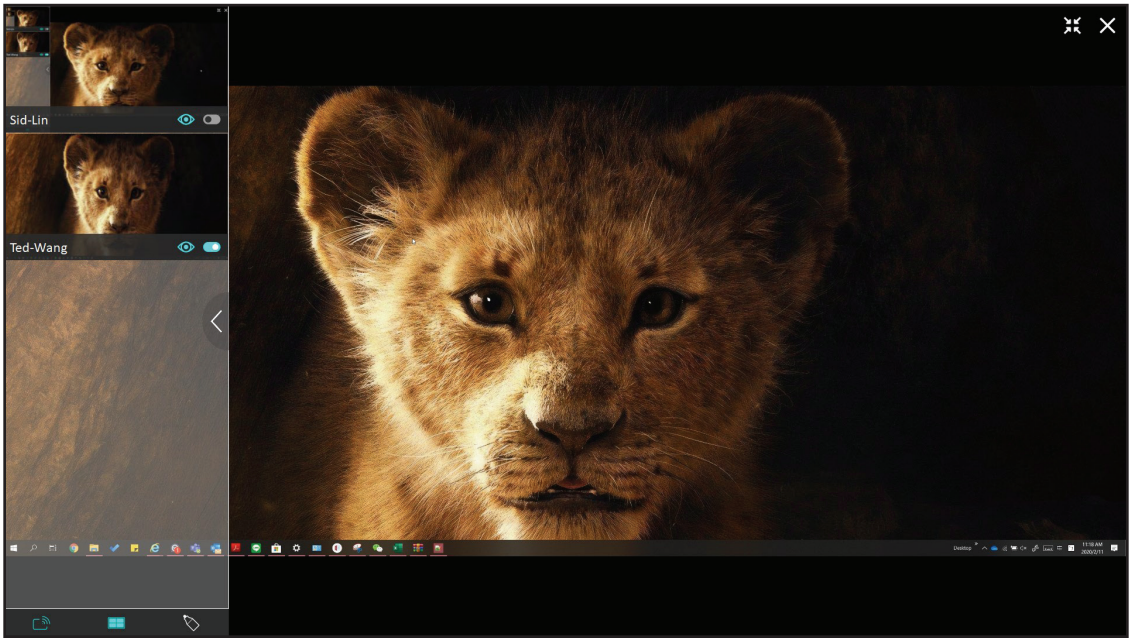
NOTE:

- Moderator mode is only supported on Windows/Mac/Chrome devices.
- When you cast your Windows/Mac/Chrome screen to a ViewBoard®, the full screen will not be broadcasted back to your device in order to avoid re-cycled screen casting.
- Chrome OS is limited to only a “preview” function and casting sound out.

- **Moderator:** The moderator has full control of meetings or classrooms and can preview images and screens shared to the ViewBoard® by a presenter.
- **Broadcast and annotate**: Moderators can broadcast screen content to participants on Windows/Mac/Chrome devices and do annotation.
- **Presenter**: Presenters can present, view, and annotate (mobile devices only).
- **Viewer**: After the moderator has enabled the broadcast function, all participants will be able to view the meeting or classroom content being displayed.




Sid-Lin
Ted-Wang
wBoard®
Collaborate
Room Network:
VSaccess
Device Name:
Cast-1343
Please open the vCastSender app to enter the password
I E L R 7 J
Tap here for first use


Sid-Lin
Ted-Wang

Troubleshooting

ViewBoard® Cast is designed to be easy to use, please contact your sales representative or IT department if you are experiencing any problems. Below are some issues that you may experience.

Device List is Not Displayed

Please make sure you have followed all instructions for connecting to the same network segment environment carefully.

Unable to Connect to ViewBoard® Cast Download Page

Ensure that the firewall for your operating system permits ViewBoard® Cast to run and communicate on your network.

This message will only appear if the server is using a self-signed certificate with an invalid trust chain.

Network requirement

ViewBoard® and mobile devices need to link to the same room LAN network subnet when the PIN-Code is disabled. ViewBoard® Cast supports cross sub-network connectivity via PIN-Code.

For the most stable transmission, having ViewBoard® connected via Ethernet cable and having client devices working on a 5GHz Wi-Fi band is recommended.

Ports

TCP 56789, 25123, 8121 & 8000

UDP 48689, 25123

Port for activation:

Port: 8001

Airplay service

Please ensure that DNS is enabled on the network/access point/wireless controller (where applicable).

Ports:

TCP 51040, 51030, 51020 & 51010

UDP 5353 (mDNS to broadcast Airplay)

How to confirm that Airplay service is broadcasting:

1. Ensure that your iOS device and ViewBoard® are connected to the same sub-network.
2. Open Control Center and select Airplay Mirroring On for iOS devices (e.g. iPhone/ iPad).
3. You will see a device with the " Cast-" prefix being shown.
4. If "Cast-" is showing, this confirms that the vCastReceiver is broadcasting Airplay services.
5. Click on the broadcasted " Cast-" device to mirror your iOS device to the ViewBoard®.

> Other Information

Customer Support

For technical support or product service, see the table below or contact your reseller.

NOTE: You will need to provide the product serial number.

Country/ Region	Website	Country/ Region	Website
Asia Pacific & Africa			
Australia	www.viewsonic.com/au/	Bangladesh	www.viewsonic.com/bd/
中国 (China)	www.viewsonic.com.cn	香港 (繁體中文)	www.viewsonic.com/hk/
Hong Kong (English)	www.viewsonic.com/hk-en/	India	www.viewsonic.com/in/
Indonesia	www.viewsonic.com/id/	Israel	www.viewsonic.com/il/
日本 (Japan)	www.viewsonic.com/jp/	Korea	www.viewsonic.com/kr/
Malaysia	www.viewsonic.com/my/	Middle East	www.viewsonic.com/me/
Myanmar	www.viewsonic.com/mm/	Nepal	www.viewsonic.com/np/
New Zealand	www.viewsonic.com/nz/	Pakistan	www.viewsonic.com/pk/
Philippines	www.viewsonic.com/ph/	Singapore	www.viewsonic.com/sg/
臺灣 (Taiwan)	www.viewsonic.com/tw/	ประเทศไทย	www.viewsonic.com/th/
Việt Nam	www.viewsonic.com/vn/	South Africa & Mauritius	www.viewsonic.com/za/
Americas			
United States	www.viewsonic.com/us	Canada	www.viewsonic.com/us
Latin America	www.viewsonic.com/la		
Europe			
Europe	www.viewsonic.com/eu/	France	www.viewsonic.com/fr/
Deutschland	www.viewsonic.com/de/	Қазақстан	www.viewsonic.com/kz/
Россия	www.viewsonic.com/ru/	España	www.viewsonic.com/es/
Türkiye	www.viewsonic.com/tr/	Україна	www.viewsonic.com/ua/
United Kingdom	www.viewsonic.com/uk/		

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