



Display Share 2

Part of the Optoma Solution Suite Family

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Get Started with Display Share 2

Introduction

Display Share 2 is a wireless presentation and collaboration solution designed to simplify screen sharing in meeting rooms, classrooms, and collaborative environments. It enables users to share content from PCs, mobile devices, and tablets to a receiver display through both dedicated client applications and native, app-free casting protocols.

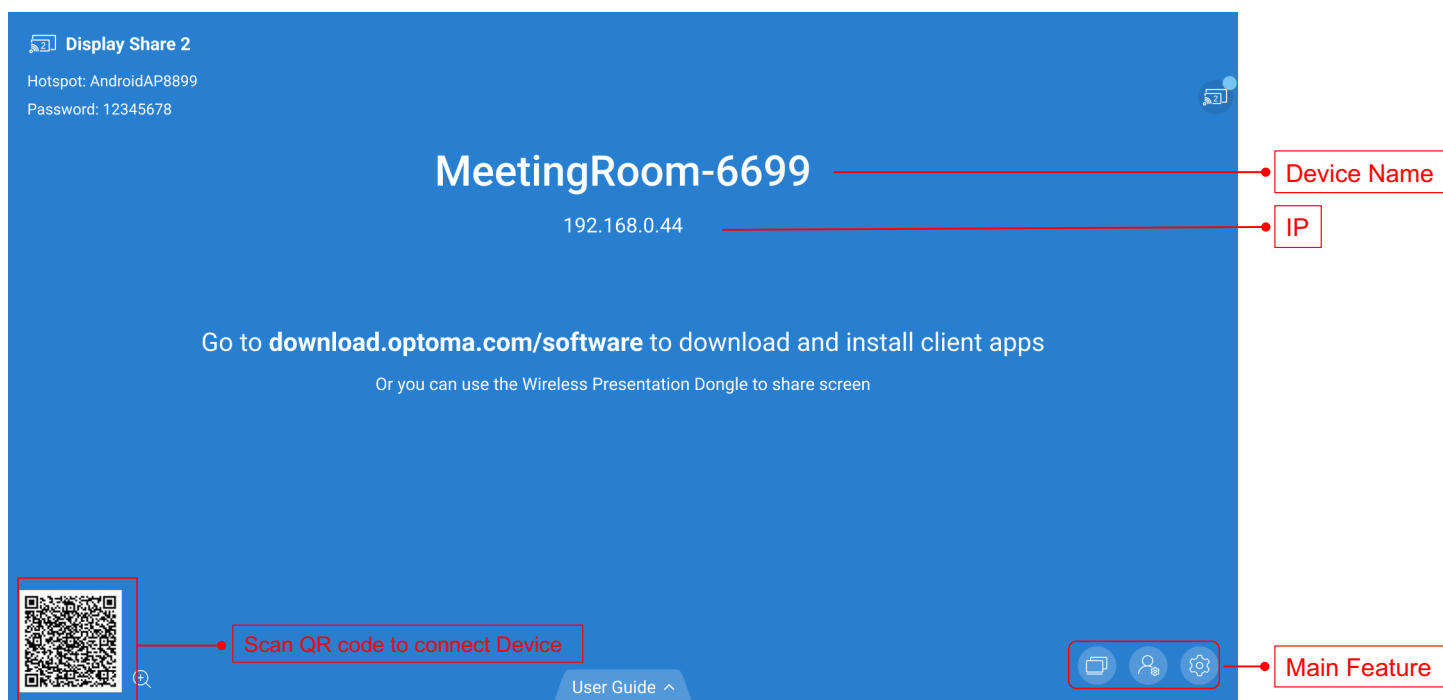
With support for Windows, macOS, iOS, Android, Ubuntu, and built-in technologies such as AirPlay, Miracast, and Google Cast, Display Share 2 provides flexible connection options while maintaining a consistent user experience. Advanced features such as moderator control, multi-display synchronization, annotation, and remote control further enhance session management, security, and collaboration efficiency

Display Share 2 Receiver - Overview

The Display Share 2 Receiver homepage is the main entry point for wireless screen sharing and collaboration. This screen provides essential connection information and quick access to core receiver functions.

Note: In this user manual:

- *The receiver (RX) refers to the device that receives and displays the content.*
- *The transmitter (TX) refers to the device that sends the screen content.*



At the center of the screen, the **Device Name** and **IP address** are clearly displayed, allowing users to easily identify and connect to the correct receiver. This is especially useful in environments with multiple displays, such as meeting rooms or classrooms.

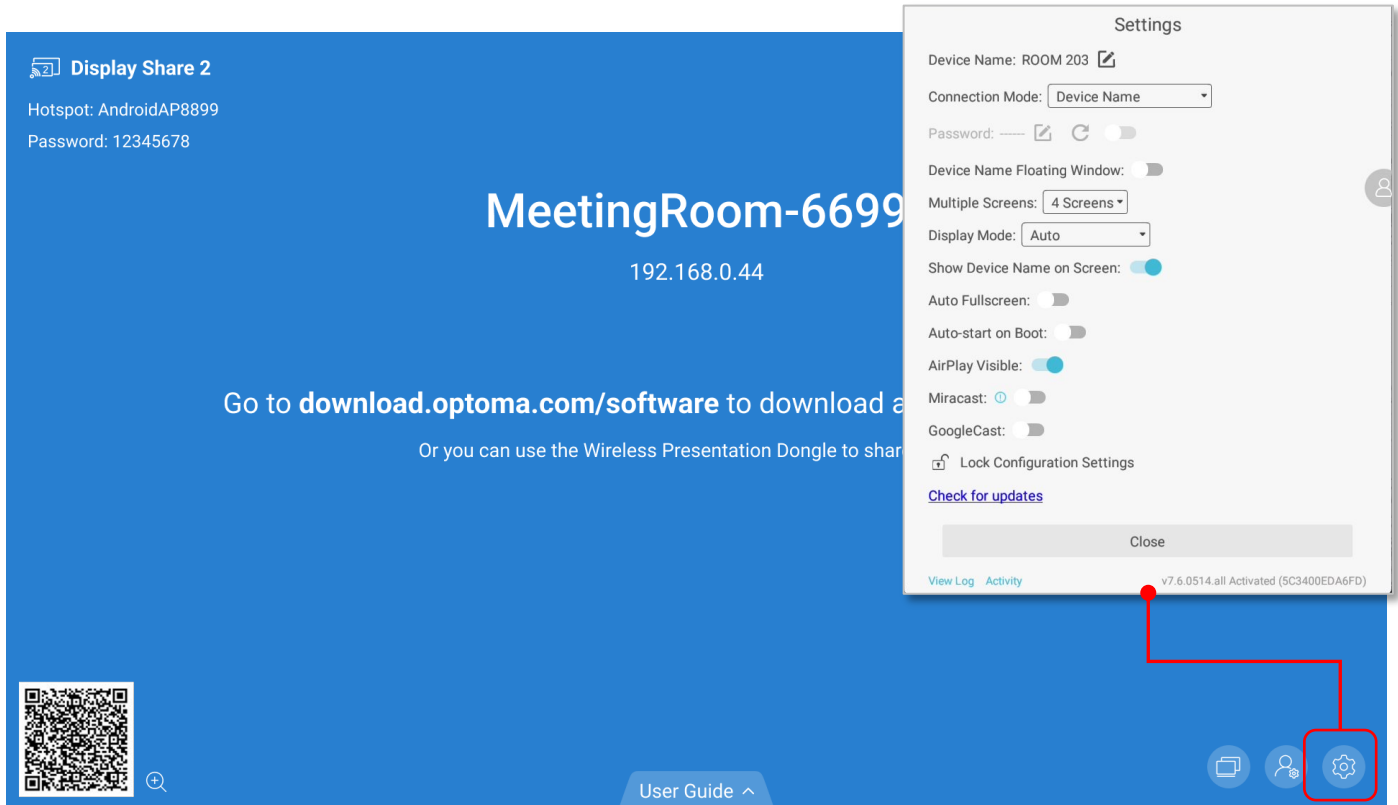
At the bottom-left corner, users can **scan the QR code** using a mobile device to quickly connect to the receiver without manually entering connection details. This enables fast and convenient access for both regular users and visitors. Clear on-screen instructions guide users to download the required client applications or use supported wireless presentation solutions to start screen sharing. At the bottom-right corner, three key function buttons provide access to the main receiver features:

Main Feature on RX:

- **Display Group Settings:** Set up multi-display synchronization.
- **Moderator Control Center:** Access advanced session management.
- **Settings:** Configure receiver preferences and security options.

Configuring Your Receiver Display

The Settings menu allows administrators to configure and customize the Display Share 2 receiver according to specific security, performance, and usability requirements. Through this menu, you can manage connection behavior, display options, system startup settings, and supported casting protocols.



Settings Options:

- Connection Mode:** Configure the security level for connections (Device Name, PIN, or Password).
- Password:** View, edit, and refresh the connection password. The refresh interval can be adjusted.
- Device Name Floating Window:** Enable or disable the floating window that displays the device name.
- Split Screen:** Define the maximum number of simultaneous devices.
- Devices Mode:** Select the rendering mode: Auto, Performance, or Compatibility.
- Show Mirroring Solution Name:** Display the casting device's name during screen sharing.
- Hotspot info Display:** Choose whether to show or hide hotspot information.
- Auto-Fullscreen:** Enable or disable automatic fullscreen mode when screen sharing starts.
- Auto-Start on Boot:** Automatically launch Display Share 2 when the system starts.
- App-Free Toggles:** Enable or disable native casting protocols, including DLNA, AirPlay,

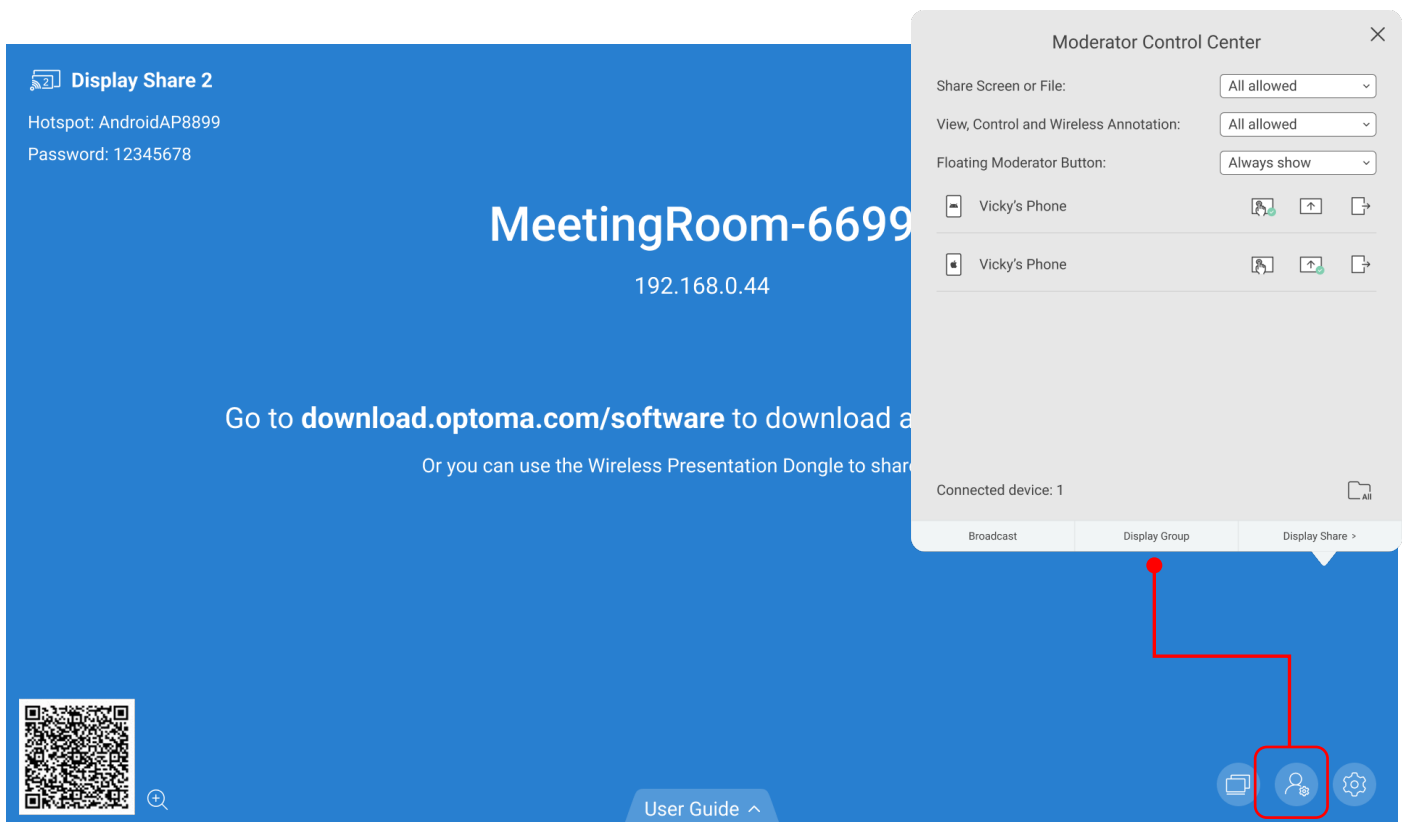
Miracast, and Google Cast.

- k. **Admin Lock:** Protect the Settings menu with a password to prevent unauthorized changes.
- l. **Check for Updates:** Check whether a software update is available.

Moderator Control Mode

Click the Moderator button to launch your control center. This gives you complete control of your presentation or class, allowing you to:

- a. **Approve / Deny Sharing Requests:** Control incoming sharing requests by approving or denying them. Content will only be shared when explicitly approved by the moderator.
- b. **Invite to Cast:** Select a connected user and send an invitation to start screen sharing with a single click.
- c. **Manage Permissions:** Grant or revoke control and annotation permissions for individual users as needed.
- d. **Annotation Control:** Enable or disable annotation permissions independently, allowing selected users to annotate without granting full screen control.
- e. **Disconnect Users:** End a user's session.
- f. **Screen Broadcast:** Broadcast the main display's content to all connected devices, ensuring all participants see the same screen in real time.



English Lesson

5101

Aa	Bb	Cc	Dd	Ee	Ff
Jj	Kk	Ll	Mm	Nn	Oo
Ss	Tt	Uu	Vv	Ww	Xx

Broadcast

Display Group

Display Share >

Moderator Control Center

Share Screen or File: All allowed

View, Control and Wireless Annotation: All allowed

Floating Moderator Button: Always show

Vicky's Phone

Vicky's Phone

Connected device: 1

Permission of Mirroring Annotation Remote View

Permission of Touch back TX (RX→TX)

Ask TX to Mirror

TX Device

Broadcast the main display's content to all connected devices

RX Display

TX Device

Display Group Settings (One-to-Many)

The Display Group feature allows you to synchronize and broadcast content across multiple Display Share 2 receivers simultaneously. This function is designed for large venues such as classrooms, conference halls, and exhibition spaces where the same content needs to be displayed on multiple screens at the same time.

By grouping multiple receivers, the main display can act as a master screen while all grouped displays follow the same content and behavior based on the selected settings.

- a. **Duplicate Displays:** Enable this option to duplicate the main display's content to all grouped displays in real time.

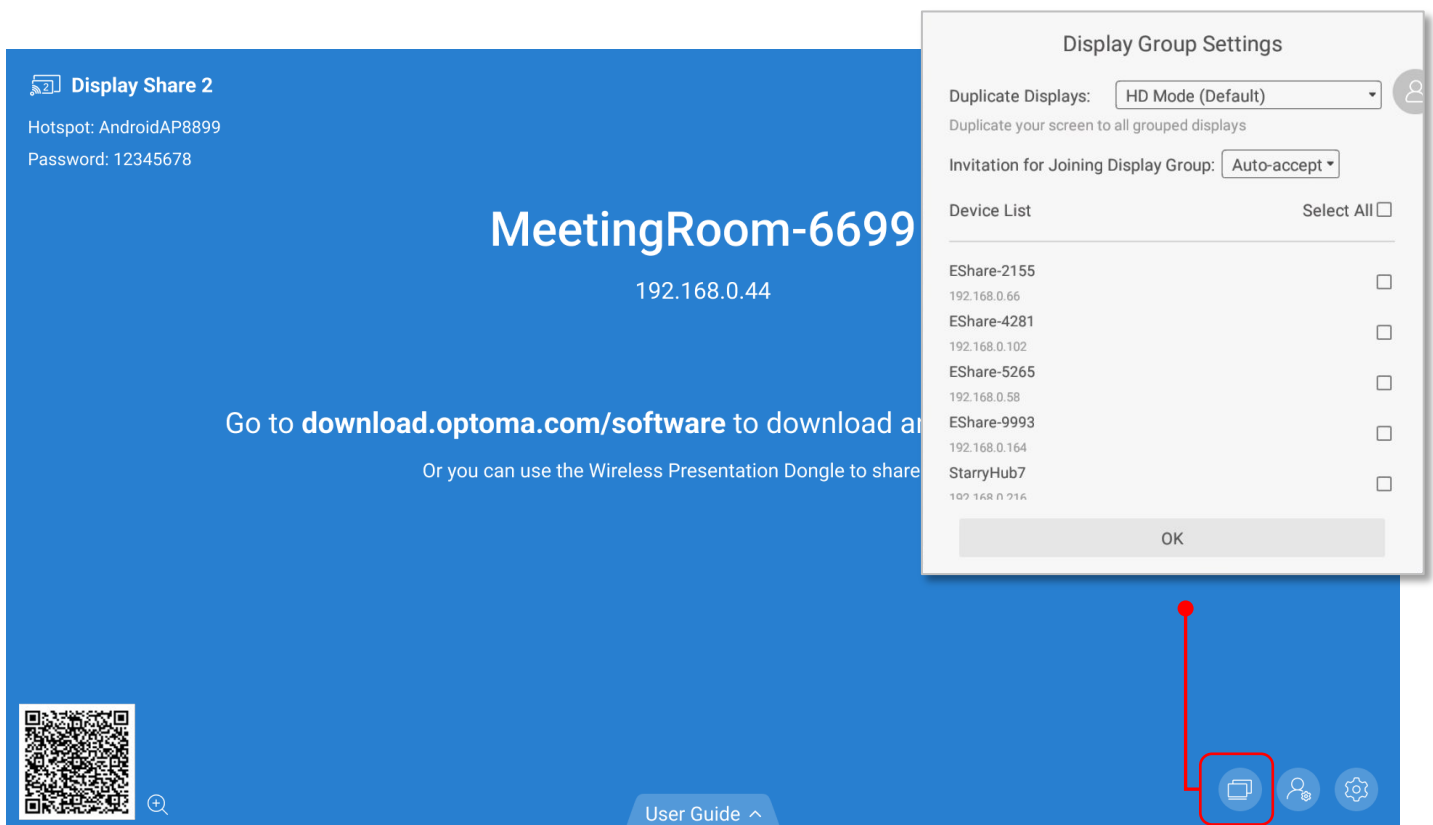
Available options include:

- Disable
- HD Mode (Default)
- UHD Mode (4K)
- Only valid during screen sharing

- b. **Invitation for Joining Display Group:** Configure how display group invitations are handled:

- **Auto-accept:** Automatically accept incoming display group invitations.
- **Notify me:** Prompt the user to manually accept or reject invitations.
- **Disable:** Reject all display group invitations.

- c. **Device List:** View and select available Display Share 2 receivers on the network to join the display group. Multiple devices can be selected for group synchronization.



The Display Share 2 Transmitter App: Your Control Center

The Display Share 2 Transmitter App on client devices provides access to the full range of casting and collaboration features. Compared to native casting protocols, the TX App enables advanced functions such as screen control, annotation, wireless camera, and remote control.

Note: In this user manual:

- *The receiver (RX) refers to the device that receives and displays the content.*
- *The transmitter (TX) refers to the device that sends the screen content.*

Installation

To begin, ensure that your client device is connected to the same network as the Display Share 2 receiver.

Visit <https://download.optoma.com/software> using a web browser to download and install the appropriate application for your device (Windows, macOS, iOS, or Android).

Connecting Your Device

Once the application is installed, launch the Display Share 2 app and connect to the receiver using one of the following methods:

- a. **By Device Name:** The app automatically discovers available receivers on the network. Simply select the desired device name to connect.
- b. **By PIN Code:** For enhanced security, enter the PIN code displayed on the receiver screen to establish a verified connection.
- c. **By IP Address:** In complex or restricted network environments, manually enter the receiver's IP address shown on the main screen.
- d. **By QR Code (Mobile) :** Scan the QR code on the display for the fastest connection.

Tips:

*To use PIN connection, first enable it in **Display Share 2 Receiver settings**.*

- *6-digit PINs are for local network connections.*
- *8-character PINs allow for secure connections across different network subnets.*

Core Functions of Mobile Client

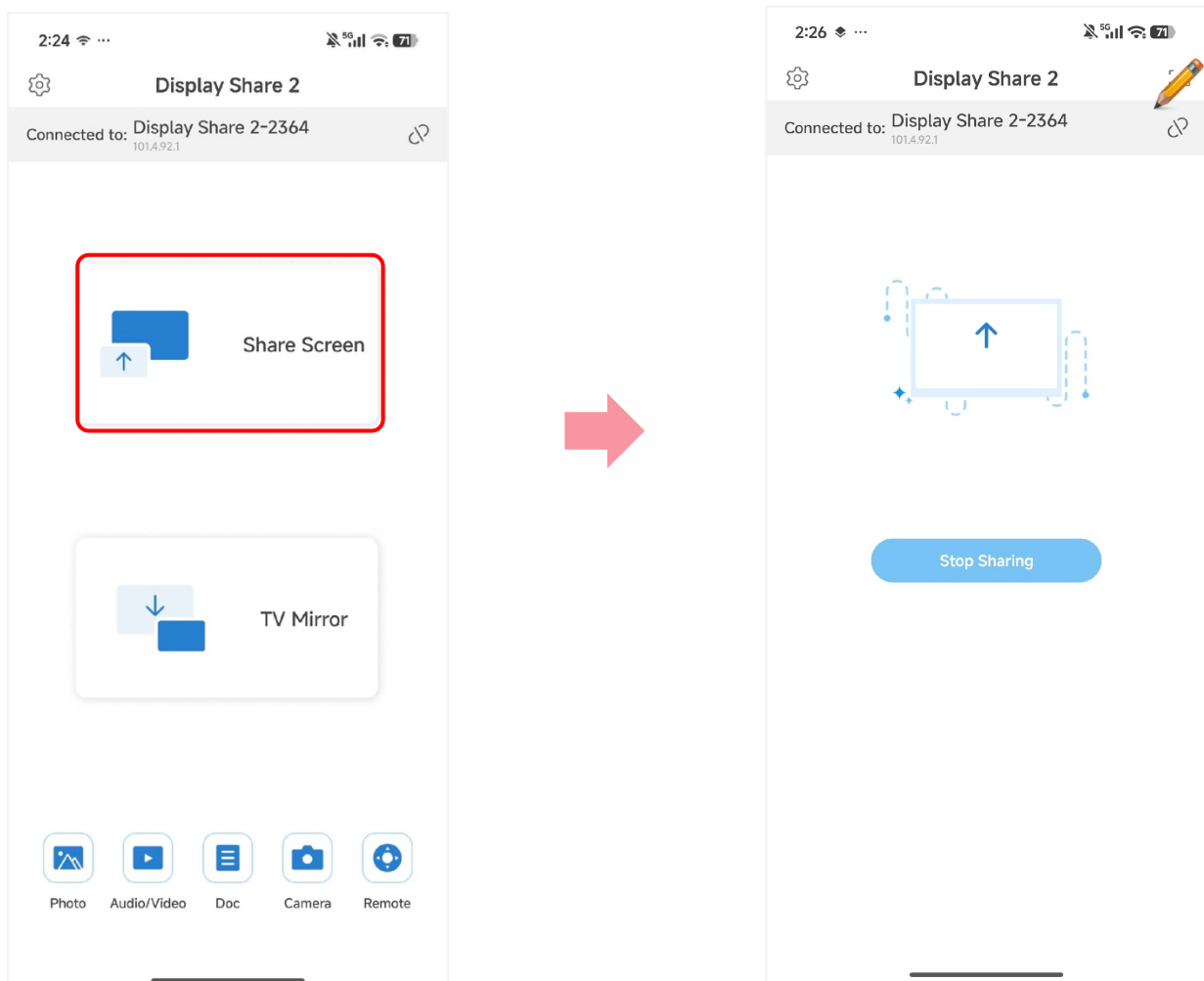
The Display Share 2 mobile client provides a comprehensive set of tools that go beyond basic screen mirroring.

It allows users to present, control, annotate, and collaborate wirelessly in meetings, classrooms, and shared spaces.

- a. **Mirroring (Share Screen):** Share the mobile phone screen to the Display Share 2 RX display. By tapping Share Screen, everything displayed on your mobile device—including apps, presentations, and web content—will be mirrored in real time to the Display Share 2 RX display.

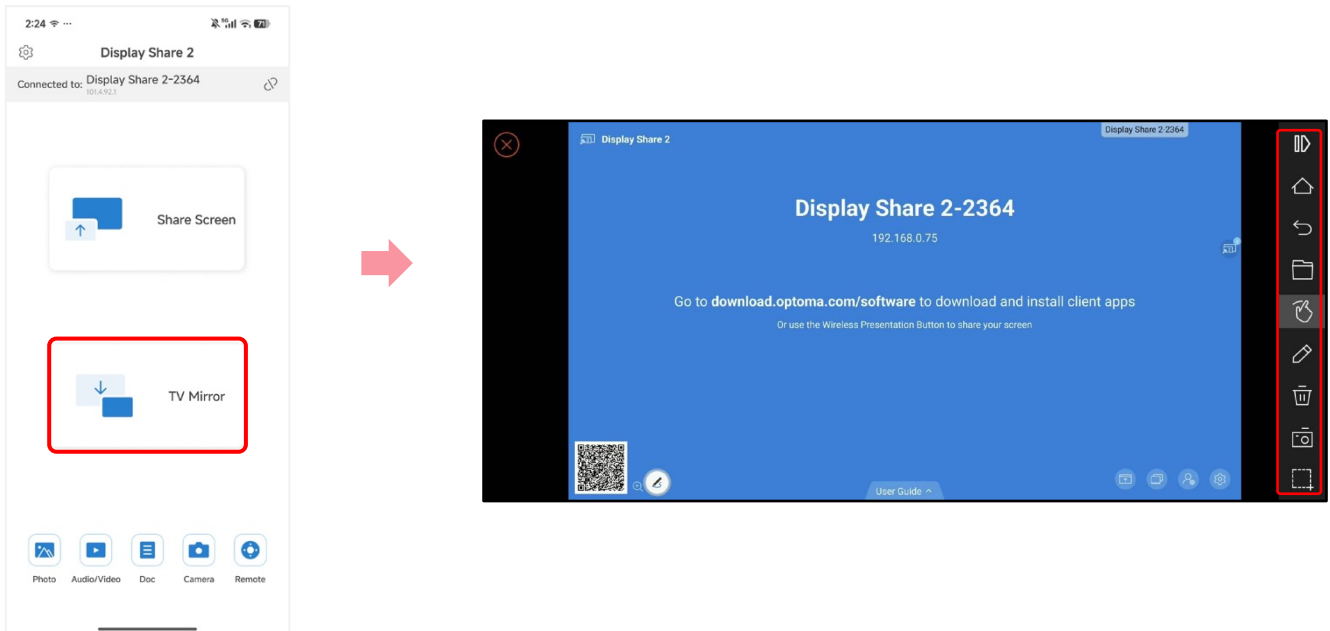
This mode is ideal for live demonstrations, quick sharing, and personal presentations.

Once sharing starts, a Stop Sharing button is displayed to allow users to end the session at any time.



b. TV Mirror: View and control the receiver screen directly from your mobile device.

TV Mirror allows the mobile device to act as a control panel for the receiver display. Users can see exactly what is shown on the RX screen and interact with it remotely. This mode is especially useful when the presenter is not physically near the display.



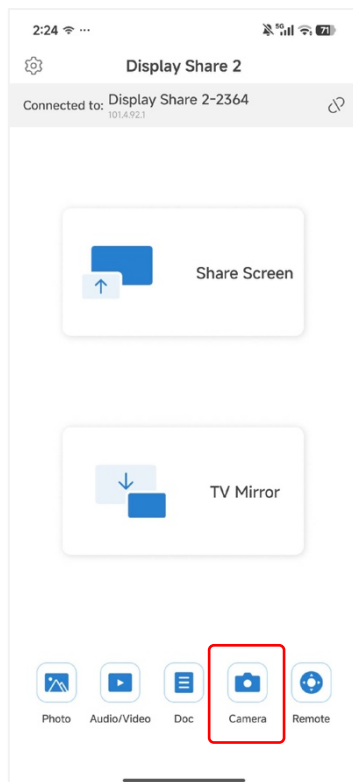
- **Home:** Return to the Android home screen
- **Return:** Go back to the previous step
- **Upload File:** Push photos, audio/video or files from your phone to Display Share 2 for display
- **Touch:** Enable touch control and a mouse will appear
- **Annotation:** You can make annotations on the current screen
- **Clear annotations:** You can clear the annotation handwriting
- **Wireless camera:** Call up the mobile phone camera and display it in real time on the Display Share 2 RX end.
- **Screenshot:** Capture the current screen and save it automatically to the mobile device.

c. Wireless Camera: Turn your mobile phone into a wireless document camera.

Wireless Camera streams the mobile phone's camera feed live to the Display Share 2 receiver, transforming the phone into a portable document camera.

This feature is ideal for:

- Showing physical documents or books
- Demonstrating objects in real time
- Conducting remote teaching or training



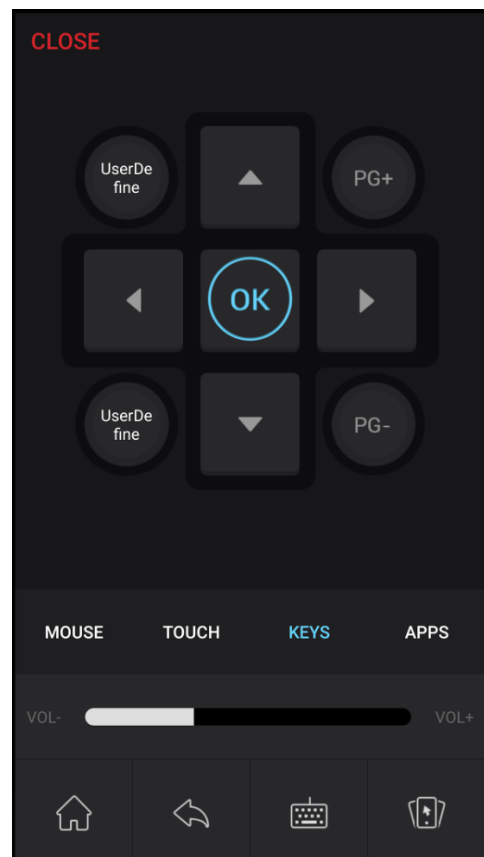
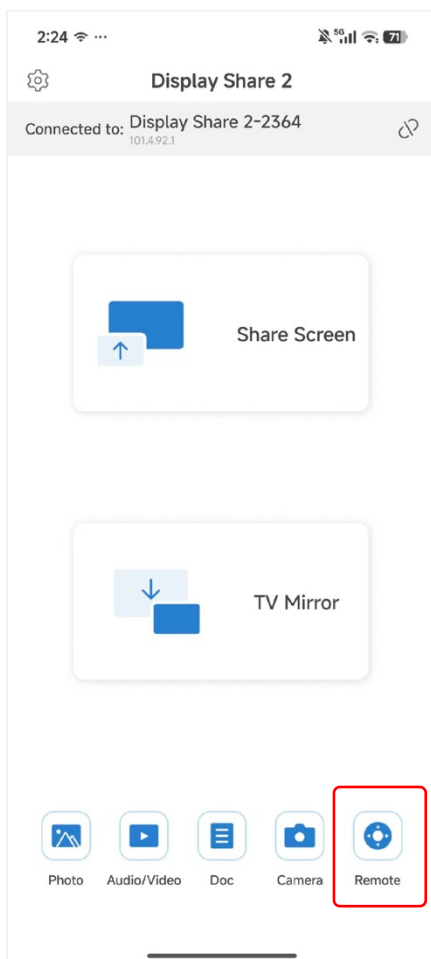
The camera feed is displayed instantly on the RX screen with minimal latency.

d. **Remote Control:** Use your mobile device as a full-featured remote control.

The Remote Control function allows users to control the receiver display using multiple input modes:

- Mouse: Move the cursor and click
- Touchpad: Perform touch gestures
- Keys:
 - Control navigation using directional keys (Up / Down / Left / Right)
 - Page up & down keys: available during presentation mode
 - OK: act as click
 - Custom keys: Configurable for preferred applications
- Apps: Access application-level controls on the receiver device
- Global keys:
 - Home: Return to the receiver device home page
 - Last page: Return to the previous page on the receiver device
 - Air mouse: Move the cursor by physically rotating or moving the client device

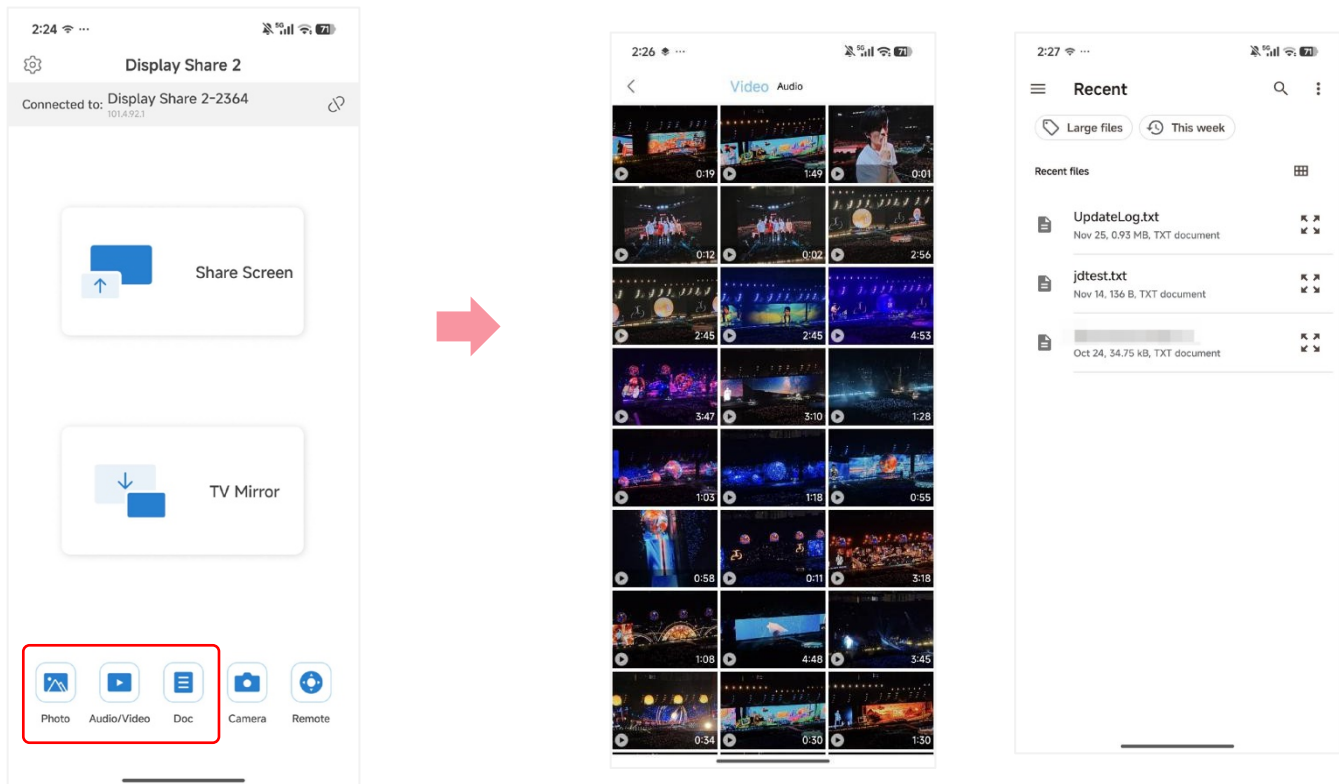
This function is designed for precise navigation and control during presentations or interactive sessions.



- e. **Stream files:** Push the photos, audio/video and files on the mobile phone to the receiving end for display.

This feature supports:

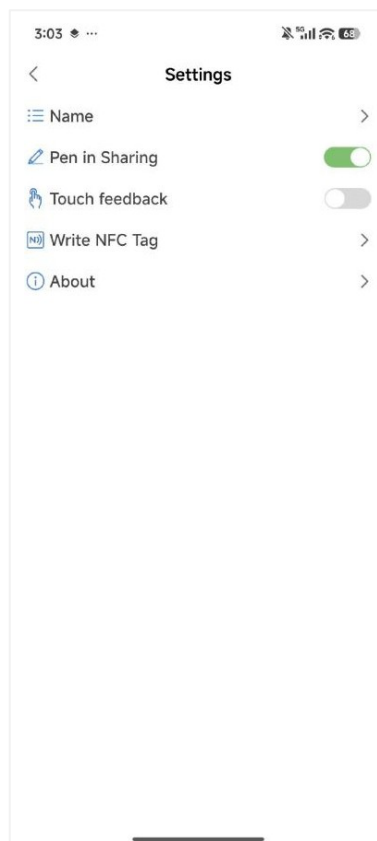
- Quick file-based presentations
- Media playback without screen mirroring
- Clean and distraction-free content sharing



Note: On iOS client devices, the audio source is limited to Apple Music only.

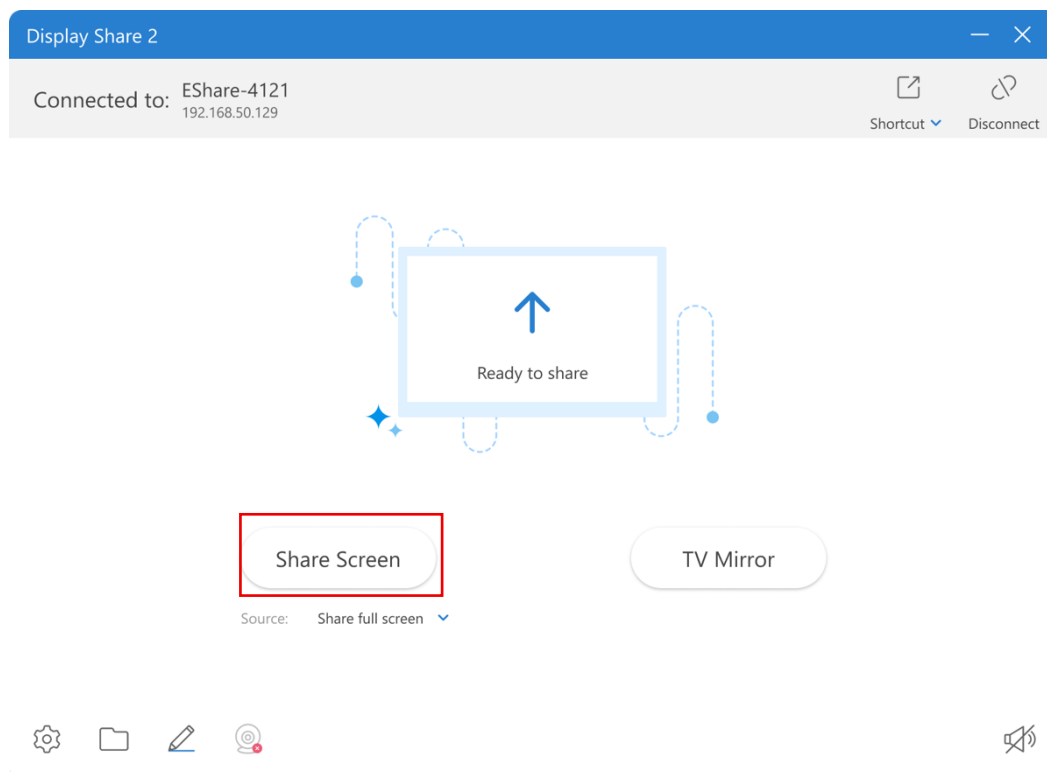
- f. **Settings:** Click the “Settings” button at the top left corner of the mobile client to view and modify the user name, and view the client version information.
- **Pen in Sharing:** Screen projection annotation function. Once enabled, you can make real-time annotations on the projected screen.
 - **Touch Feedback:** After enabling this function, the Display Share 2 RX end can control the projected screen of Android TX.
 - **Write NFC Tag:** Write the IP information of the receiving end into the NFC tag for the one-click screen projection function.
 - **About:** View client version information.

These settings allow users to personalize their interaction experience and optimize collaboration workflows.

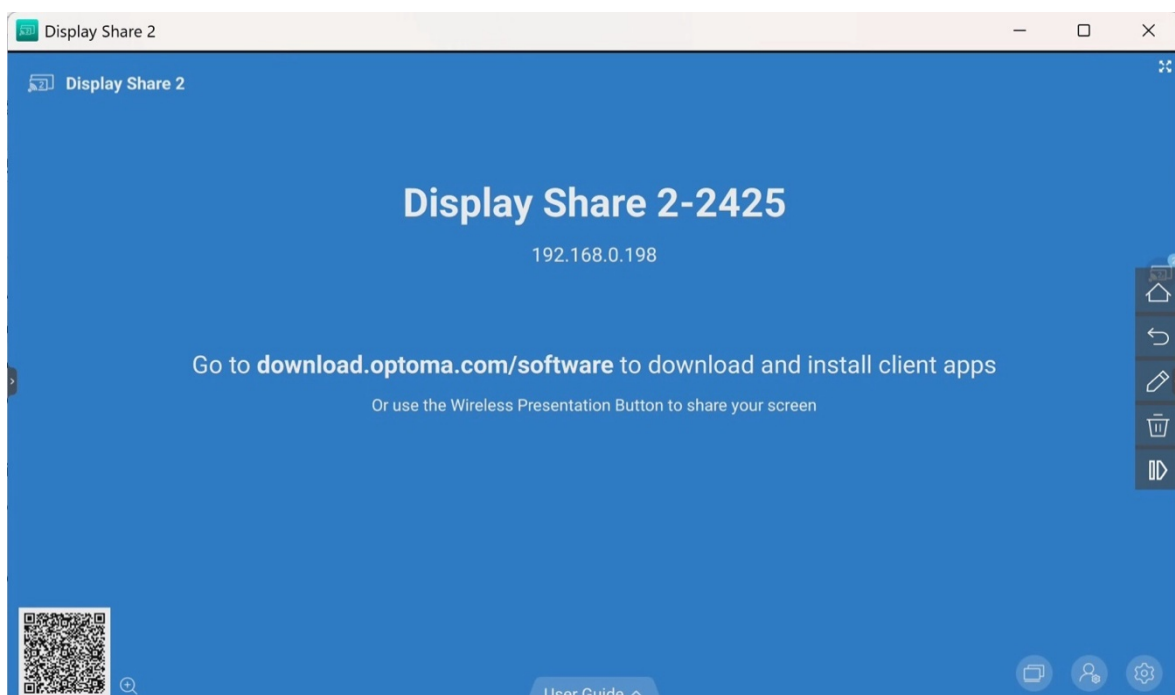


Core Functions of PC Client (Windows & Mac)

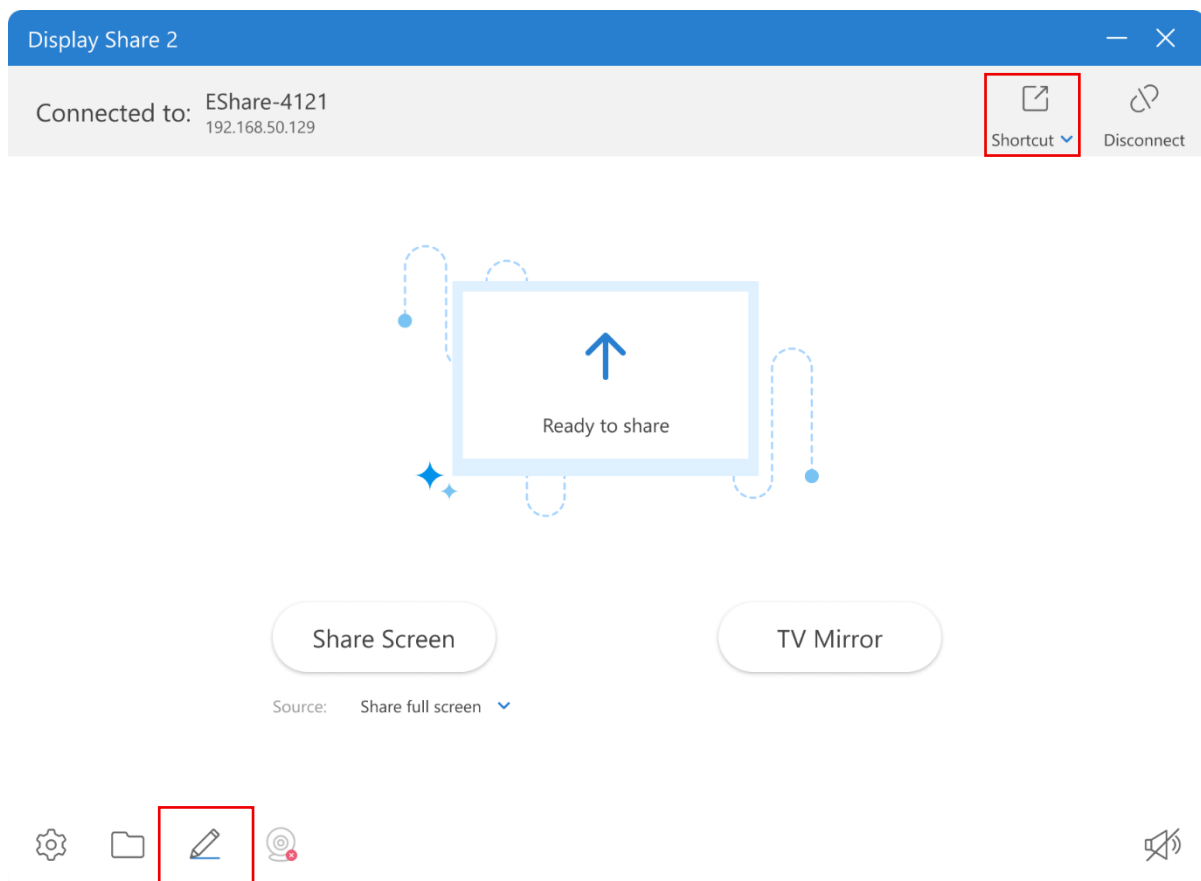
- a. **Mirroring (Share Screen):** Share your entire screen to the Display Share 2 RX display.



- b. **Share Full Screen / Extended Screen:** For Windows and Mac Display Share 2 client apps, you can select “Source” to share full screen, extended.
- c. **TV Mirror:** Click the “TV Mirror” button to view the receiver’s screen on your Windows & Mac laptop, and you can touch control the receiver display and make annotations.



- **Home:** Return to the home page of the receiver display
- **Return:** Go back to the previous step
- **Annotation:** You can make annotations on the current screen
- **Clear annotations:** Clear the annotation marks
- **Annotation Suite (Windows only):** Access annotation tools and save annotated contents directly to your laptop for future reference.
- **Quick-Cast Shortcut (Windows only):** Create a desktop shortcut for any receiver display. In the future, just double-click to connect and cast instantly.



Native Integration (App-Free)

For ultimate convenience and accessibility, Display Share 2 supports the industry's leading native casting protocols. This allows any user—including guests or those on restricted devices—to share their screen instantly, with zero software installation required.

AirPlay

Integrated directly into macOS/iOS/iPadOS, AirPlay is the perfect solution for quickly sharing content from an iPhone or MacBook.

How to Connect:

- Open Control Center on your device.
- Tap the Screen Mirroring icon.
- Select the Display Share 2 receiver's name from the list.

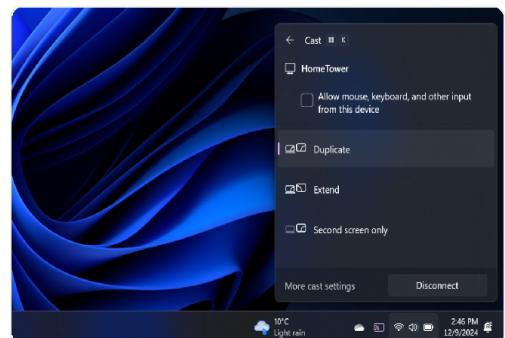


Miracast

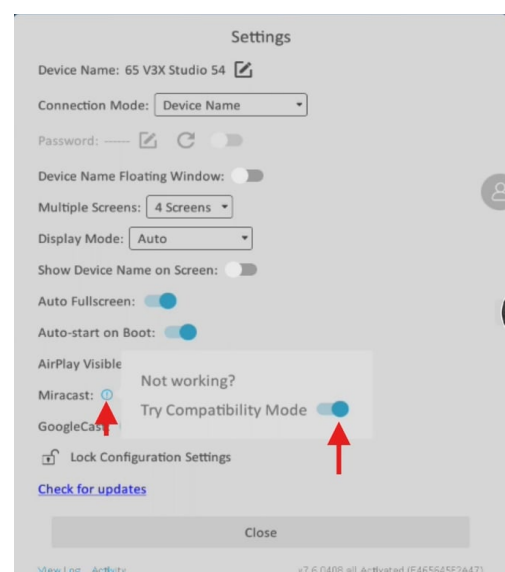
Miracast is the native wireless display standard built into Windows and Android operating systems. It enables direct, peer-to-peer screen sharing without needing to connect to the same network.

How to Connect:

- On your Windows PC, press Win+K.
- On Android, find the Cast / Smart View option.
- Scan for receiver displays.
- Select the Display Share 2 receiver's name from the list.



Please turn on compatibility mode if it is not working.

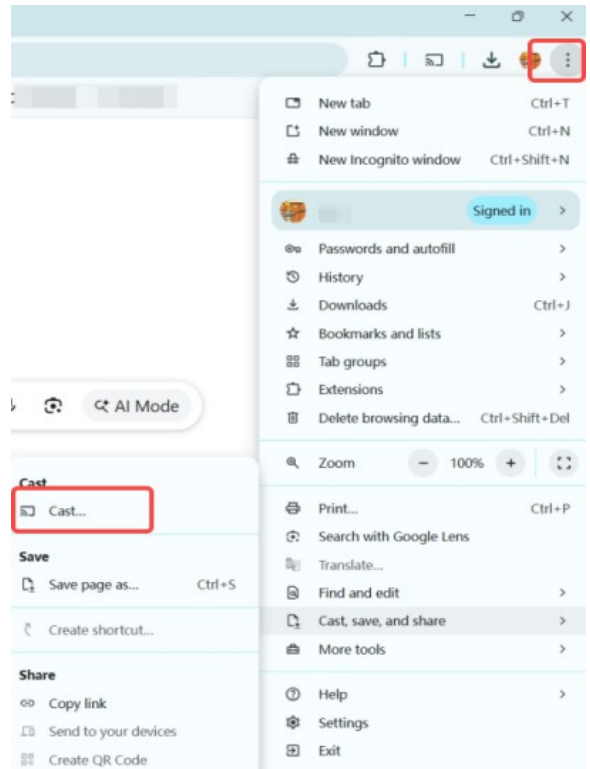


Google Cast

Built into the Chrome browser and Chrome OS, Google Cast is a versatile way to share content to the main display.

How to Connect:

- Open the Google Chrome browser.
- Click the Cast icon.
- Choose what you want to share (e.g., "Cast tab").
- Select the Display Share 2 receiver's name from the list.



FAQs

Why can't I mirror streaming content from Netflix or Disney+ using Display Share 2?

Some streaming services restrict screen mirroring due to DRM (Digital Rights Management) protection. When DRM is enabled, wireless mirroring or screen capture may be blocked by the content provider.

What devices does Display Share 2 support?

Display Share 2 supports:

- Windows & macOS (client app)
- iOS / iPadOS / Android (client app)
- Native casting protocols: AirPlay, Miracast, and Google Cast (no app required)

Sometimes Display Share 2 mirroring has performance lag. What happened?

Performance may be affected by network bandwidth, Wi-Fi stability, device performance, or the selected rendering mode. You can adjust the Devices Mode (Auto / Performance / Compatibility) in Settings to improve stability.

Why does wireless projection lag occasionally?

Wireless projection depends on real-time network transmission. Lag may occur due to network congestion, interference, or high-resolution content. Using a stable network and reducing the number of simultaneous connections can help.

Why can't the Display Share 2 app find the device (IFP or projector)?

Please ensure that:

- The sender device and display are on the same network
- **Display Share 2** is running on the display
- Firewall or network isolation settings are not blocking device discovery

If **Display Share** is running on display, please download the corresponding **TX application** from:

<https://download.optoma.com/software/>

Display Share and Display Share 2 are not compatible with each other, and each version requires its own dedicated TX application.

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