

ESHARE PRO

User Guide

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The Standard for Wireless Collaboration

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Welcome to the Future of Collaboration

*Thank you for choosing **EShare**. You are now equipped with a world-class wireless collaboration platform engineered to eliminate barriers, streamline workflows, and unlock seamless interaction in classrooms, meeting rooms, and any environment.*

This guide will help you master the full potential of **EShare**, from instant screen sharing to advanced moderation and hybrid meeting integration. **Let's get started.**

What's New in v7.6?

- ⚡ **Cloud Broadcast:** Enable remote viewers to watch your screen from anywhere in the world in 3 steps.
- ⚡ **iPad and iPhone Touch Control Support:** Added support for touch control of iPad and iPhone devices, allowing users to remotely operate iOS devices directly from the presentation screen.
- ⚡ **Enhanced BYOM:** Broader compatibility with professional webcams and improved audio synchronization.
- ⚡ **Up to 16 Split-Screens:** The maximum number of simultaneous on-screen devices has been increased from 9 to 16.
- ⚡ **Activity Log:** A new 'Activity Log' in the **Receiver** settings allows administrators to review connection history for auditing purposes.

⚡ 1. Quick Start: Casting in Seconds

Ready to share? It's as easy as 1-2-3.

1

OPEN

Simply open a web browser on your device and go to **eshare.app**, or launch the **EShare** app if already installed.

2

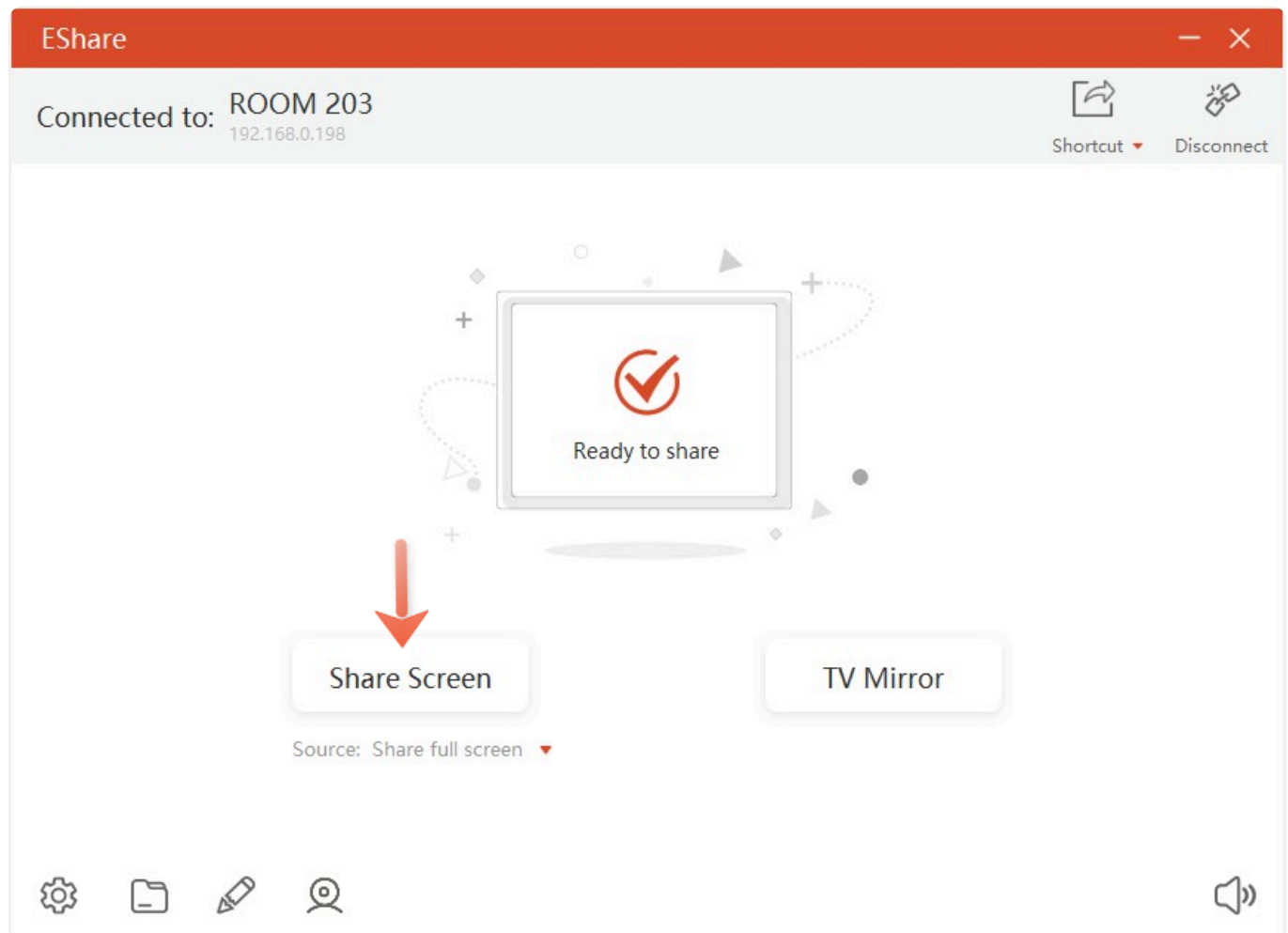
CONNECT

The **EShare** app will automatically discover the receiver on your network. Tap its name to connect instantly.

3

MIRROR









Tap the "Share Screen" button. Your screen is now live. **It's that simple.**



The main interface of the EShare Sender application on a PC.

🌐 2. The EShare Ecosystem

EShare is more than just screen mirroring. It's a complete toolkit for modern collaboration.

Capability	What It Empowers You to Do
 Universal Mirroring	Instantly share your screen—and audio—from any Windows, macOS, iOS, Android, ChromeOS or Linux device. Includes reverse touch for controlling your PC from the display.
 Multi-Source Split-Screen	Unlimited connections (subject to network conditions). View up to 16 devices on one screen simultaneously. EShare automatically arranges the layout for optimal viewing and comparison.
 Moderator Panel	Take control of your classroom or meeting like a pro. Approve, deny, and manage who can share, ensuring a smooth, focused, and productive session.
 BYOM	Walk into any meeting room and make it yours. Seamlessly connect your laptop's Teams, Zoom, or Meet video calls to professional cameras and microphones for an elevated meeting experience.
 App-Free Integration	Empower anyone to cast using their device's native protocols: AirPlay, Miracast, and GoogleCast. No app required.
 Web & Cloud Casting	Enable secure, zero-installation casting for guests (WebCast), or broadcast your screen to remote viewers anywhere in the world (Cloud Broadcast).
 Interactive Toolkit	Use your device as an advanced remote, annotate over any content in real-time, and view the main display on your personal device with reverse mirroring (TV Mirror).
 Hardware Extension	Experience true plug-and-play simplicity with the EShare Wireless Presentation Dongle . Simply plug it in and tap the button to mirror your screen instantly.

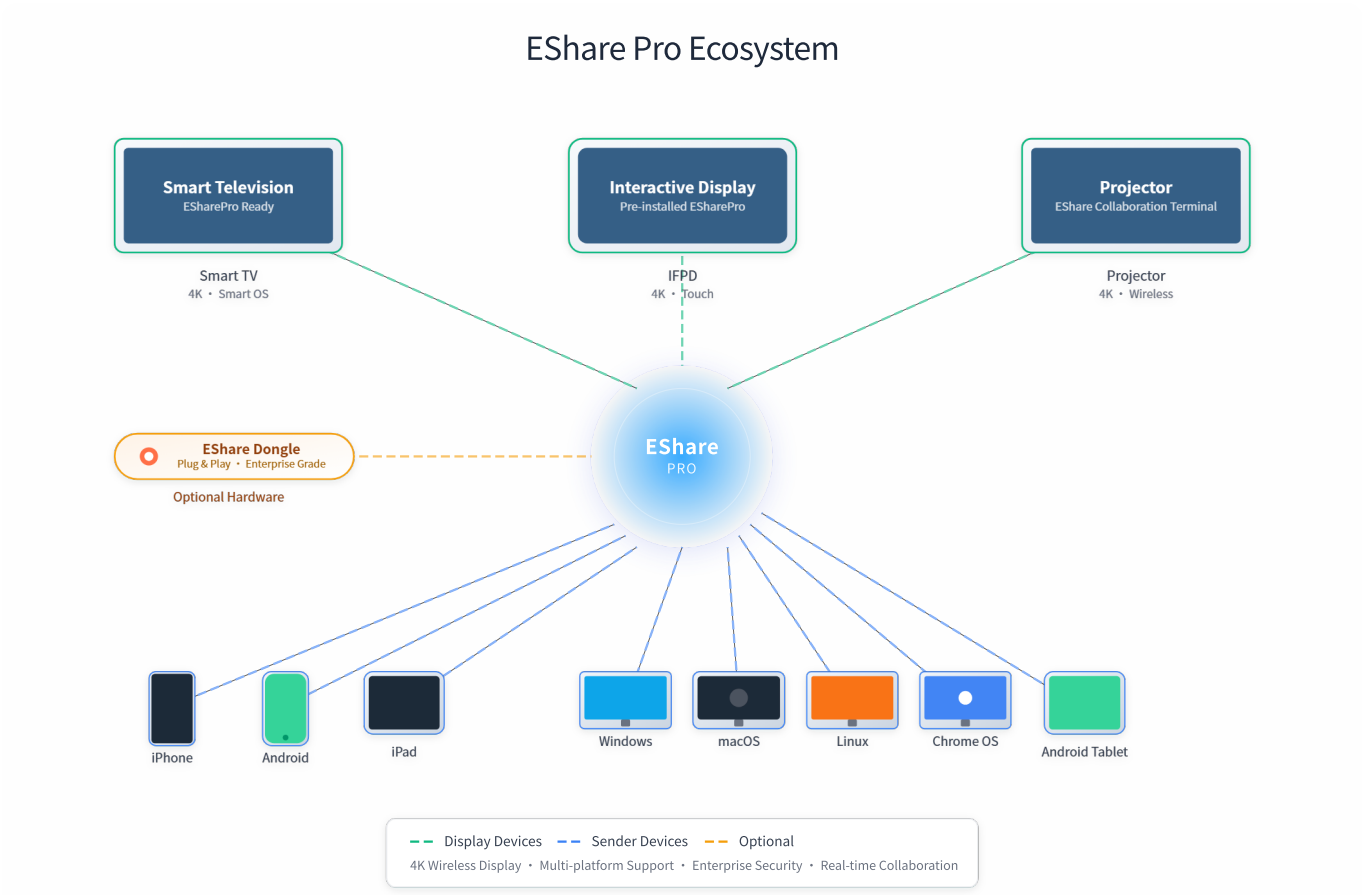


Diagram of the EShare Ecosystem.

3. The EShare Receiver

The **Receiver** is the powerful, intelligent heart of the EShare experience, running on your main display to manage all incoming connections and content.

3.1 Understanding the Main Screen

The idle screen provides at-a-glance information: the device name, network details, and clear instructions for connecting. The bottom-right corner features six key function buttons:

WebCast

Enable browser-based casting for guests.

Cloud Broadcast

Share screen content with remote viewers worldwide.

BYOM

Configure Bring Your Own Meeting functionality.

Display Group

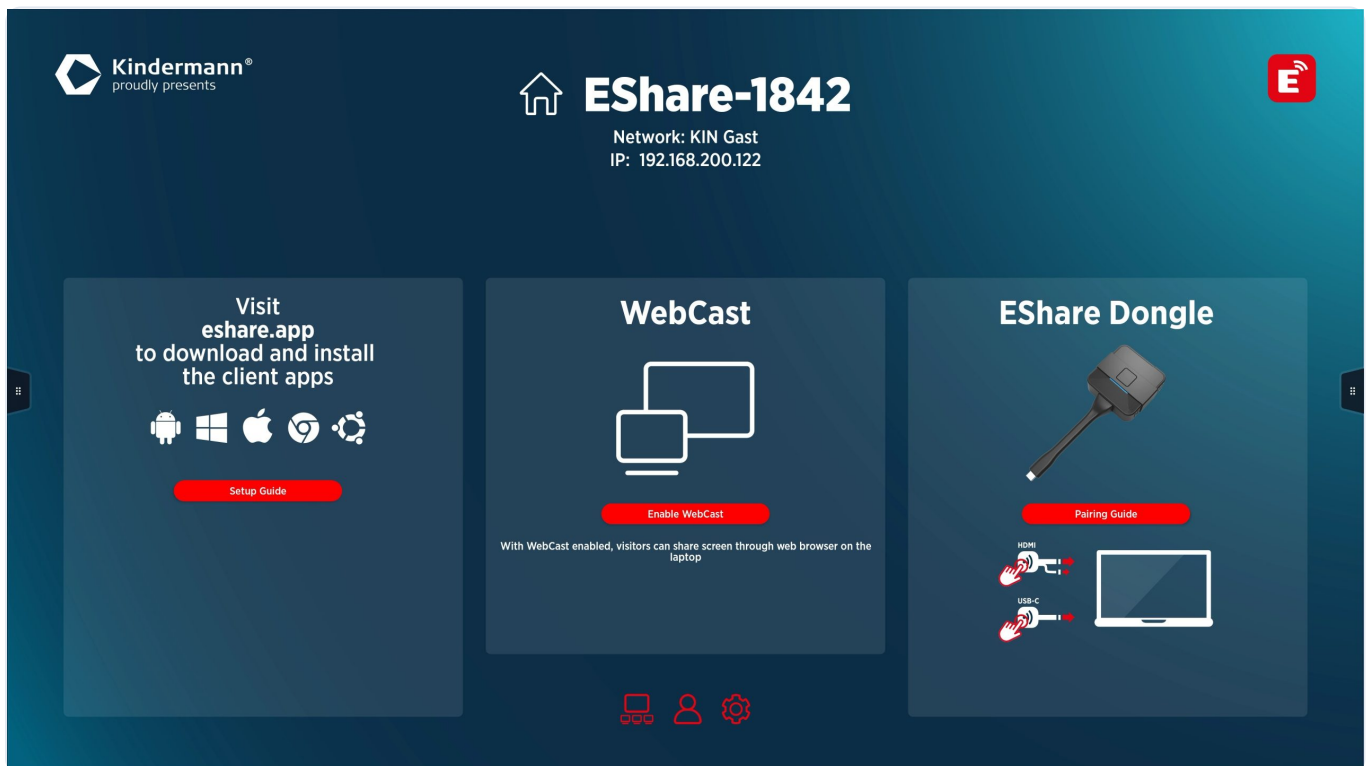
Set up multi-display synchronization.

Moderator Control Center

Access advanced session management.

Settings

Configure receiver preferences and security options.



EShare receiver main screen showing connection info and function buttons.

3.2 Mastering Moderator Mode

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

Approve/Deny Sharing Requests

No more interruptions. Content is shared only when you allow it.

Invite to Cast

Select a user and invite them to share their screen with a single click.

Manage Permissions

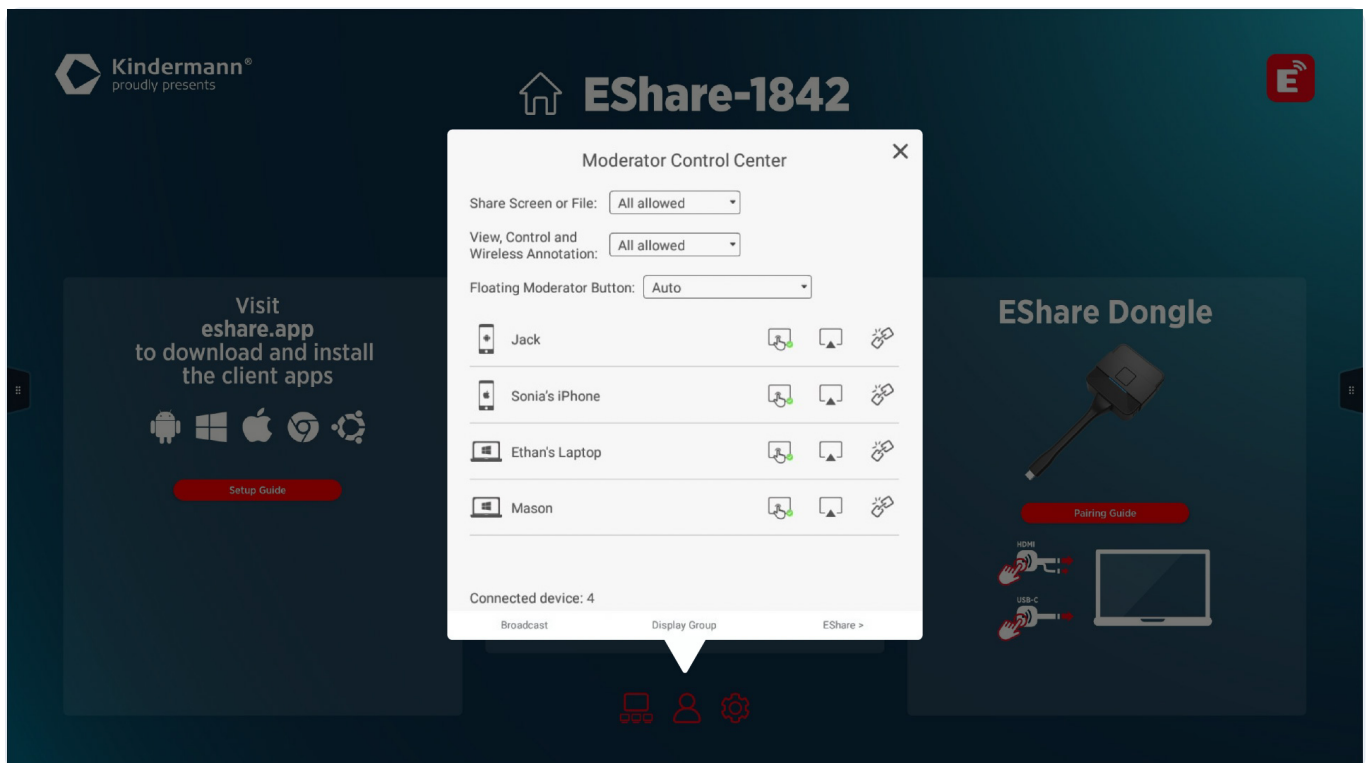
Grant or revoke control and annotation rights for any user.

Disconnect Users

Cleanly end a user's session.

Screen Broadcast

Instantly share the main display's content with all connected devices. Everyone sees exactly what's on the display, automatically.



The Moderator Control Panel, showing connected users and management options.

3.3 Configuring Your Receiver

In the Settings menu, you can tailor the EShare experience to your specific security and usability needs. Key options include:

Connection Mode

Set security level (Device Name, PIN, or Passcode).

Split Screen

Define the maximum number of simultaneous casters.

App-Free Toggles

Enable/disable native protocols like AirPlay, Miracast.

Lock Settings

Password-protect the settings menu to prevent unauthorized changes.

Display Mode

Choose rendering mode (Auto, Performance, Compatibility).

Auto-Start on Boot

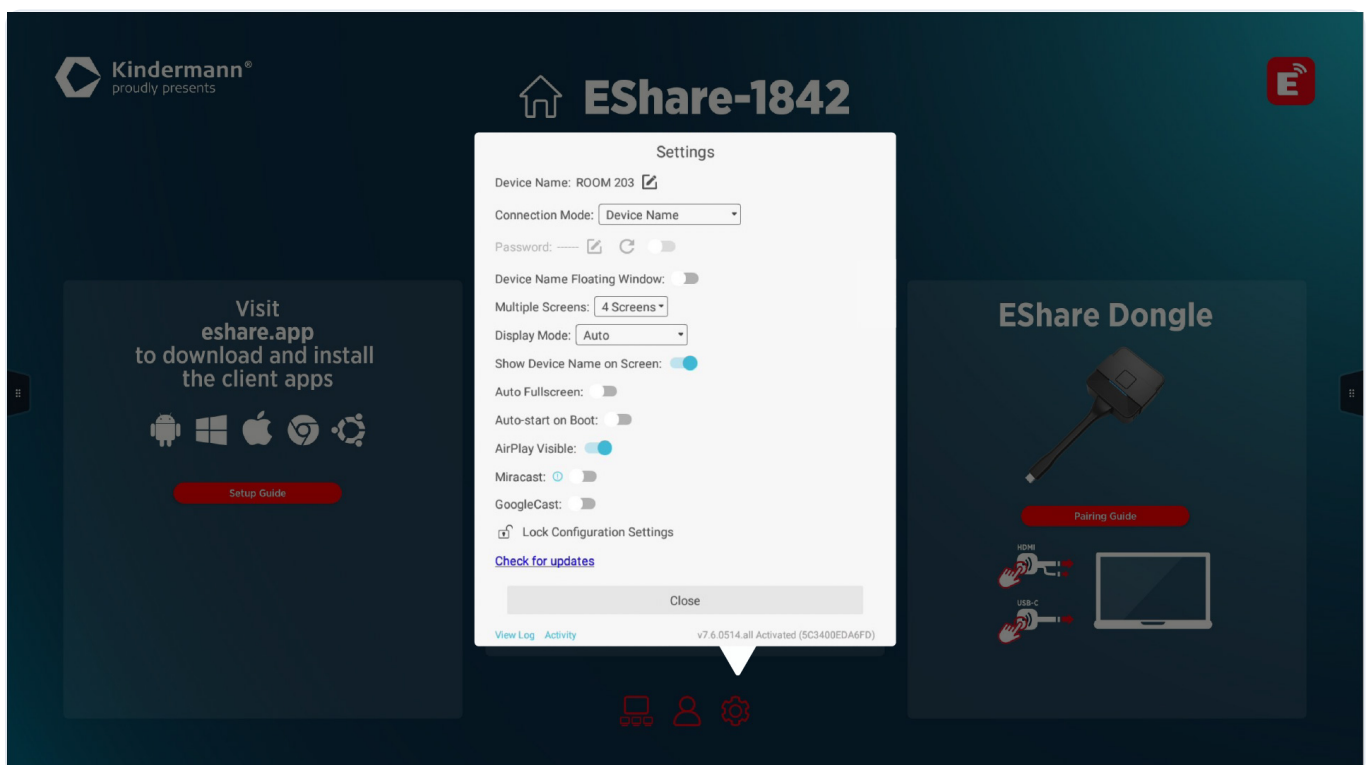
Automatically launch EShare when the system starts up.

PIN Overlay

Display a floating PIN code in the corner of the screen.

Show Client Device Name

Display the casting device's name during screen sharing.



The main settings panel for the EShare Receiver.

3.4 Multi-Screen Functionality

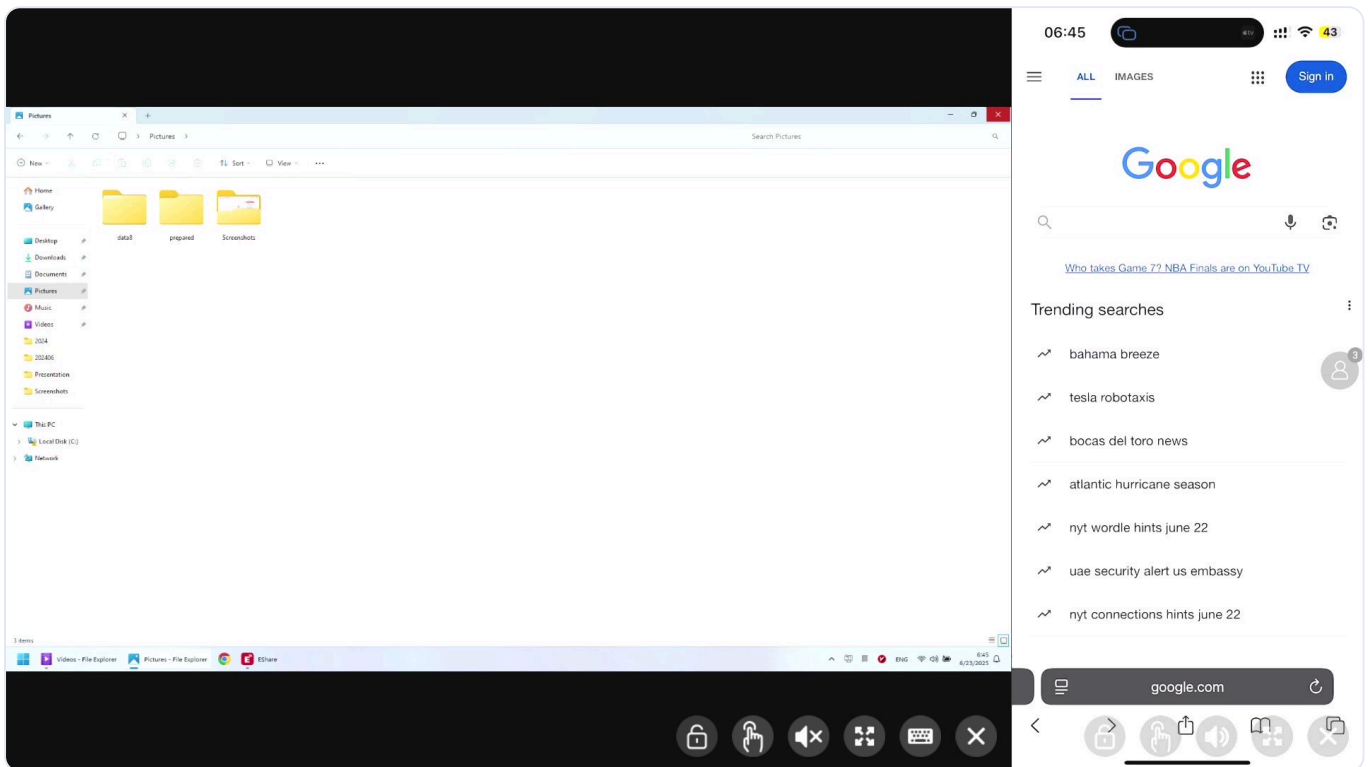
EShare supports up to 16 simultaneous casting sessions. The layout automatically optimizes for the number of connected devices.

Intelligent Split Screen

Automatically adjusts screen layout based on content type and number of devices for an optimal viewing experience.

Audio & Full Screen Control

Switch audio between casters or expand any client's content to full screen by clicking the icons on each window.



Two devices casting simultaneously in split-screen mode.

3.5 Display Group (One-to-Many)

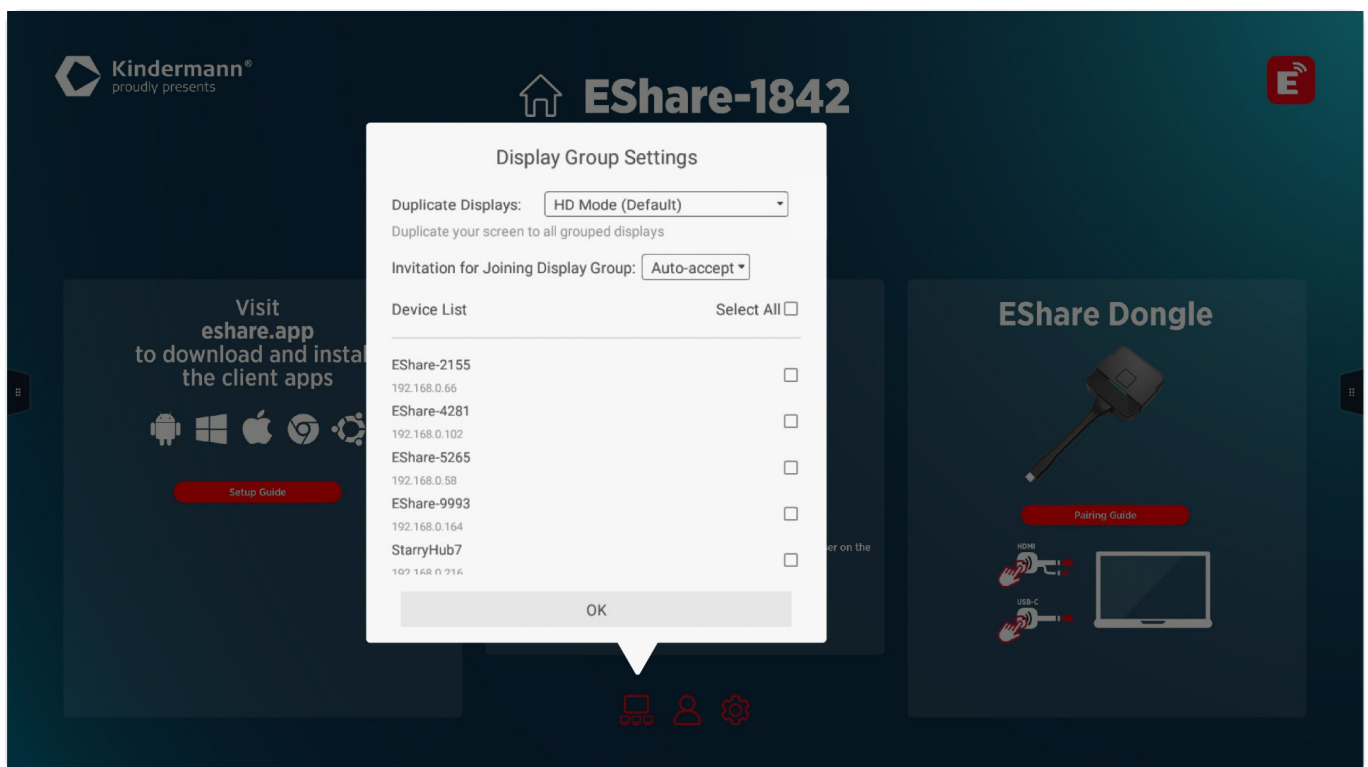
This powerful feature lets you synchronize content across multiple EShare displays for large venues.

Main Screen Sync

Enable "Duplicate Displays" to broadcast the main screen's content to all grouped displays in real-time.

Client Cast Sync

Set to "Only valid in client screen sharing" to synchronize casting sessions across all grouped displays.



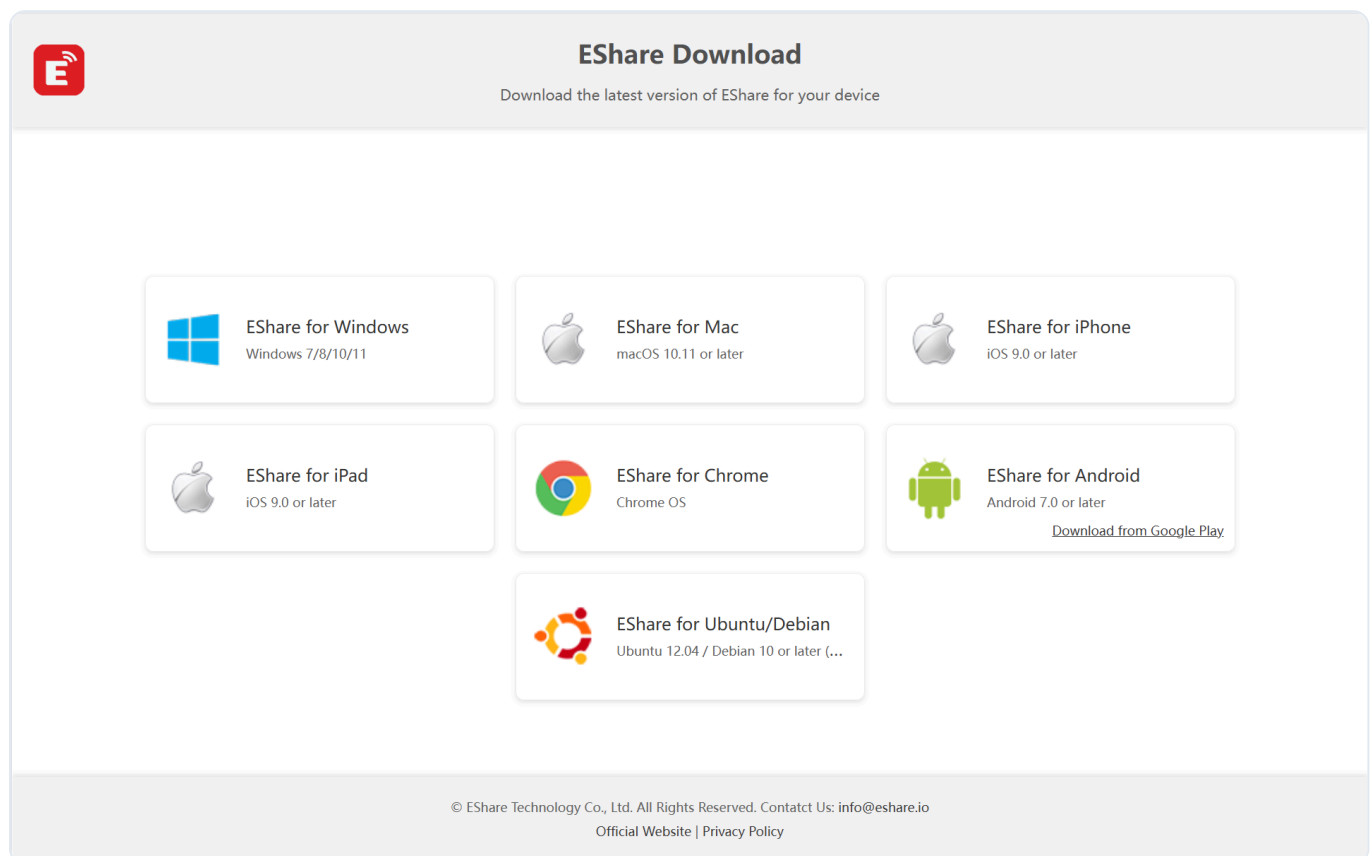
The Display Group configuration window.

4. The EShare App: Your Control Center

The **EShare** app is the key to unlocking the full suite of features for casting and collaboration, including advanced tools not available via native protocols.

4.1 Installation

To get started, connect your client device to the same network as the receiver. Visit **eshare.app** in your browser or scan the on-screen QR code to download the correct application for your device (Windows, macOS, iOS, Android).



The download page at eshare.app, providing clients for all major platforms.

4.2 Connecting Your Device

Once installed, launch the app. You can connect using one of several methods:



By Device Name

The app auto-discovers receivers. Simply tap the name.



By PIN Code

For secure environments, enter the PIN displayed on the receiver screen to establish a verified connection.



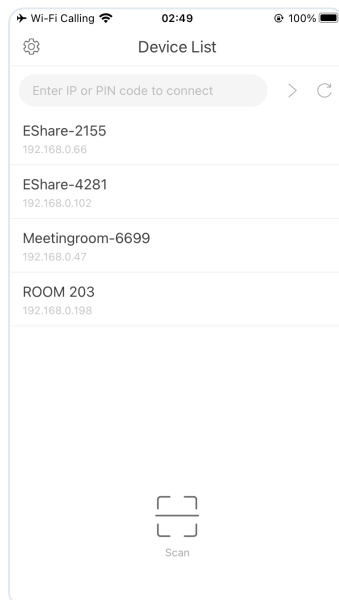
By IP Address

In complex networks, manually enter the receiver's IP address, shown on the main screen.

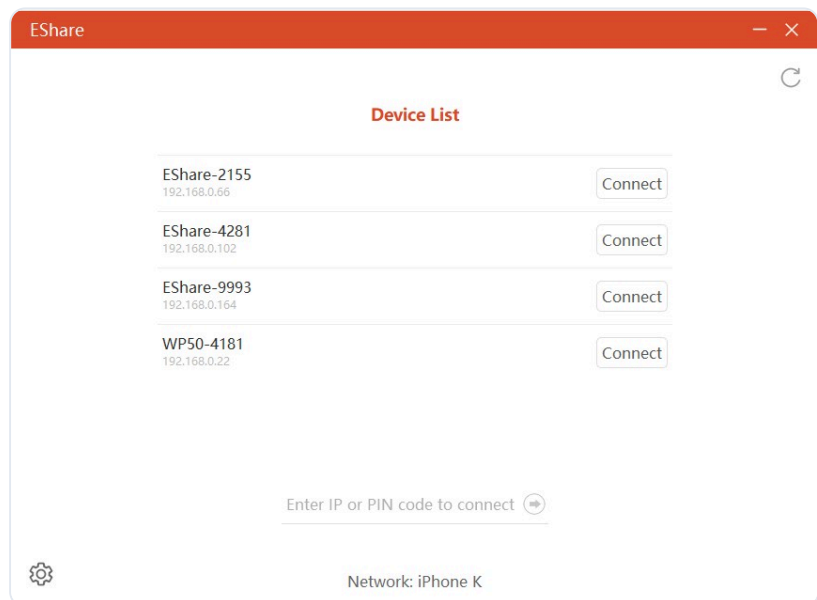


By QR Code (Mobile)

Scan the QR code on the display for the fastest connection.



Mobile Connection Methods



PC Connection Methods



Pro Tip: PIN Code Types

To use PIN connection, first enable it in ESharePro settings. 6-digit PINs are for local network connections. 8-character PINs allow for secure connections across different network subnets.

4.3 Core Functions (Mobile & Desktop)

The **EShare** app provides a rich set of tools beyond simple screen sharing.

Mirroring (Share Screen)

Share your entire screen, a specific app window, or use the receiver as an extended wireless display.

File Pushing

Cast photos, videos, and documents directly in original, lossless quality—perfect for high-impact visuals.

Remote Control

Your mobile device becomes a powerful remote with Mouse, Touchpad, Keyboard, and Air Mouse modes.

Wireless Camera (Mobile)

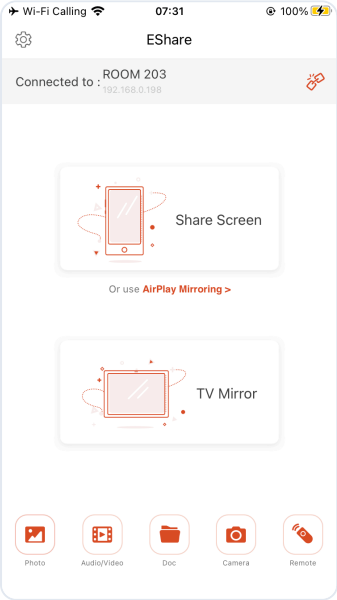
Stream your phone's camera feed live, turning it into a portable, high-quality document camera.

Touch Feedback

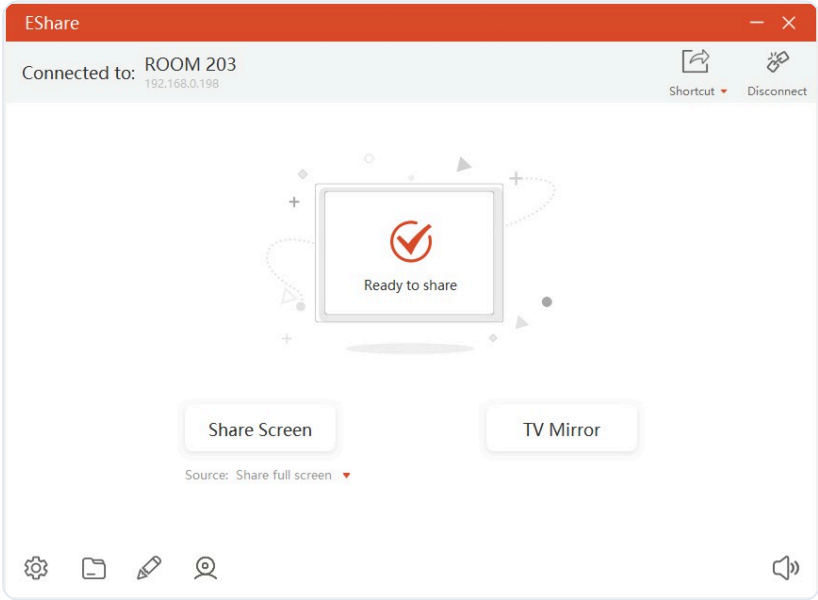
Control the casting device from the receiver's touchscreen. Supports Windows, Linux, macOS, iOS, and Android.

Share from Other Apps (Mobile)

Share files directly from other apps to the receiver through the system share menu.



Mobile app main screen.

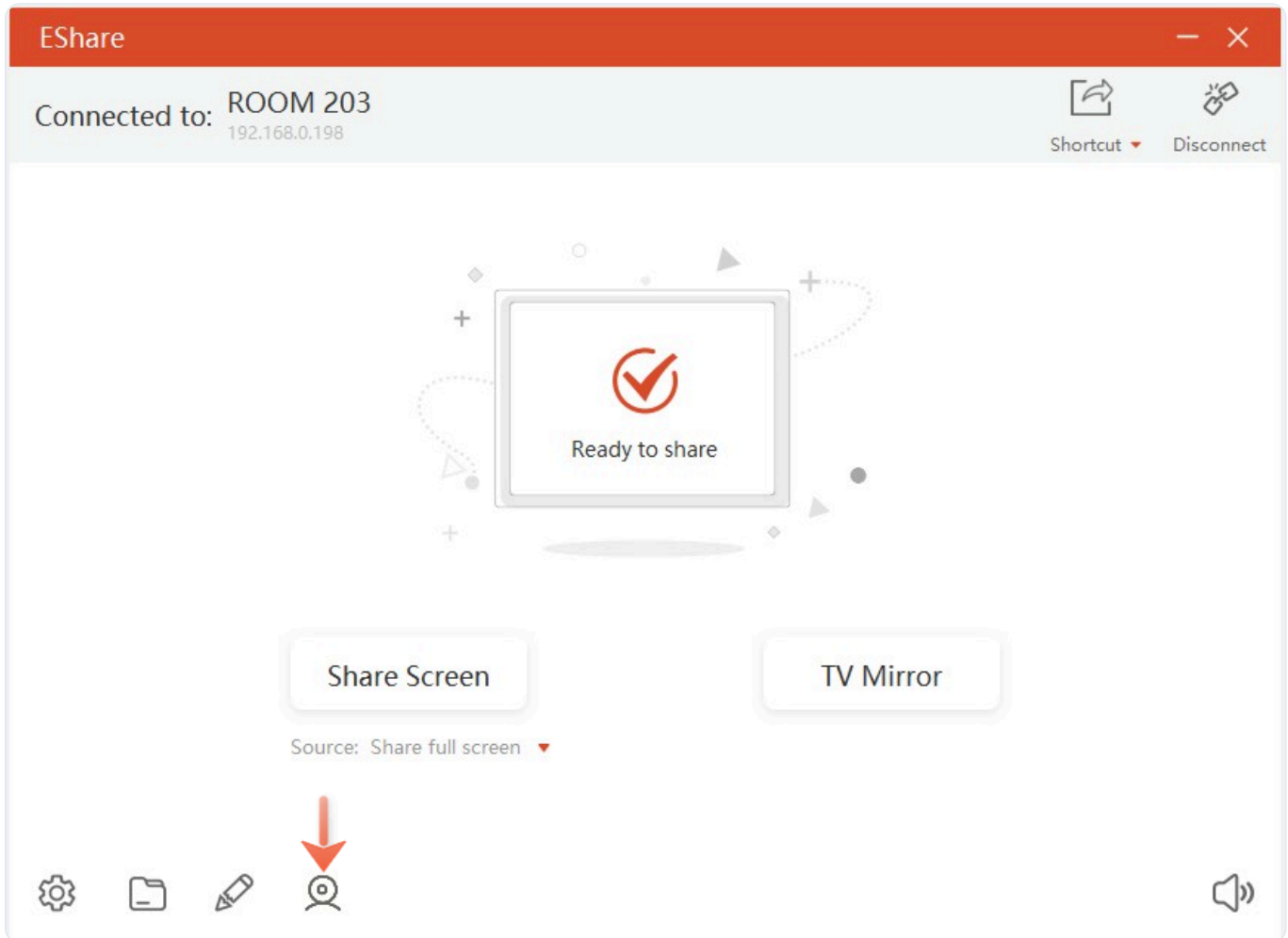


PC app main screen.

4.4 Advanced Features

Bring Your Own Meeting (BYOM)

Use the professional camera and microphone connected to the EShare receiver for your video calls (e.g., Teams, Zoom, Meet). This turns your laptop into the 'brain' of the meeting while using the room's superior audio-visual hardware. When a camera is available, the camera icon in your EShare app becomes active. Click it to enable **BYOM** mode.



The camera icon in the app enables BYOM.



BYOM Setup Steps

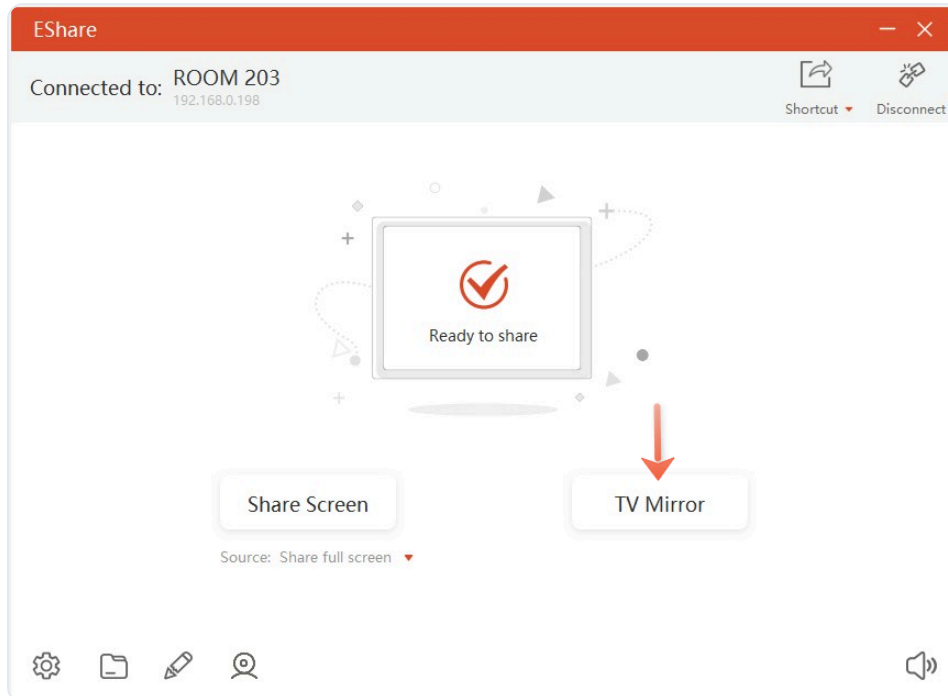
On Receiver: Enable BYOM service, microphone, and camera in BYOM settings.

On Sender: Click camera icon in EShare app to enable BYOM mode.

In Video Conference: Select "EShare Virtual Camera/Audio" as your camera and microphone.

Reverse Mirroring & Wireless Annotation

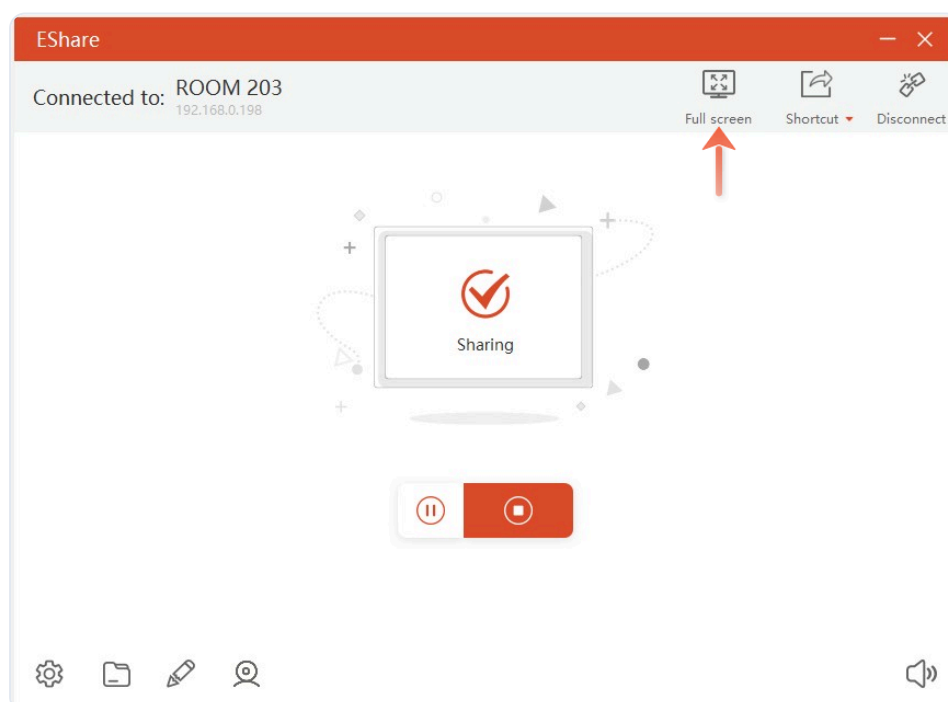
Reverse Mirroring (TV Mirror): Tap "TV Mirror" to see the receiver display on your device. From here, you can take private notes, use the annotation tools to draw on the main screen, or simply control the presentation from your seat.



Reverse Mirroring & Annotation (TV Mirror)

Annotation & Exclusive Screen

Exclusive Screen Mode: When multiple clients are casting, tap the "Full screen" button in your app to make your device occupy the entire display, hiding other content. Tap "Restore" to return to the split-screen view.



Exclusive Screen Mode

4.5 Desktop App Professional Features

The desktop version of the EShare app offers enterprise-grade capabilities to elevate your presentations.

Source Selection (PC)

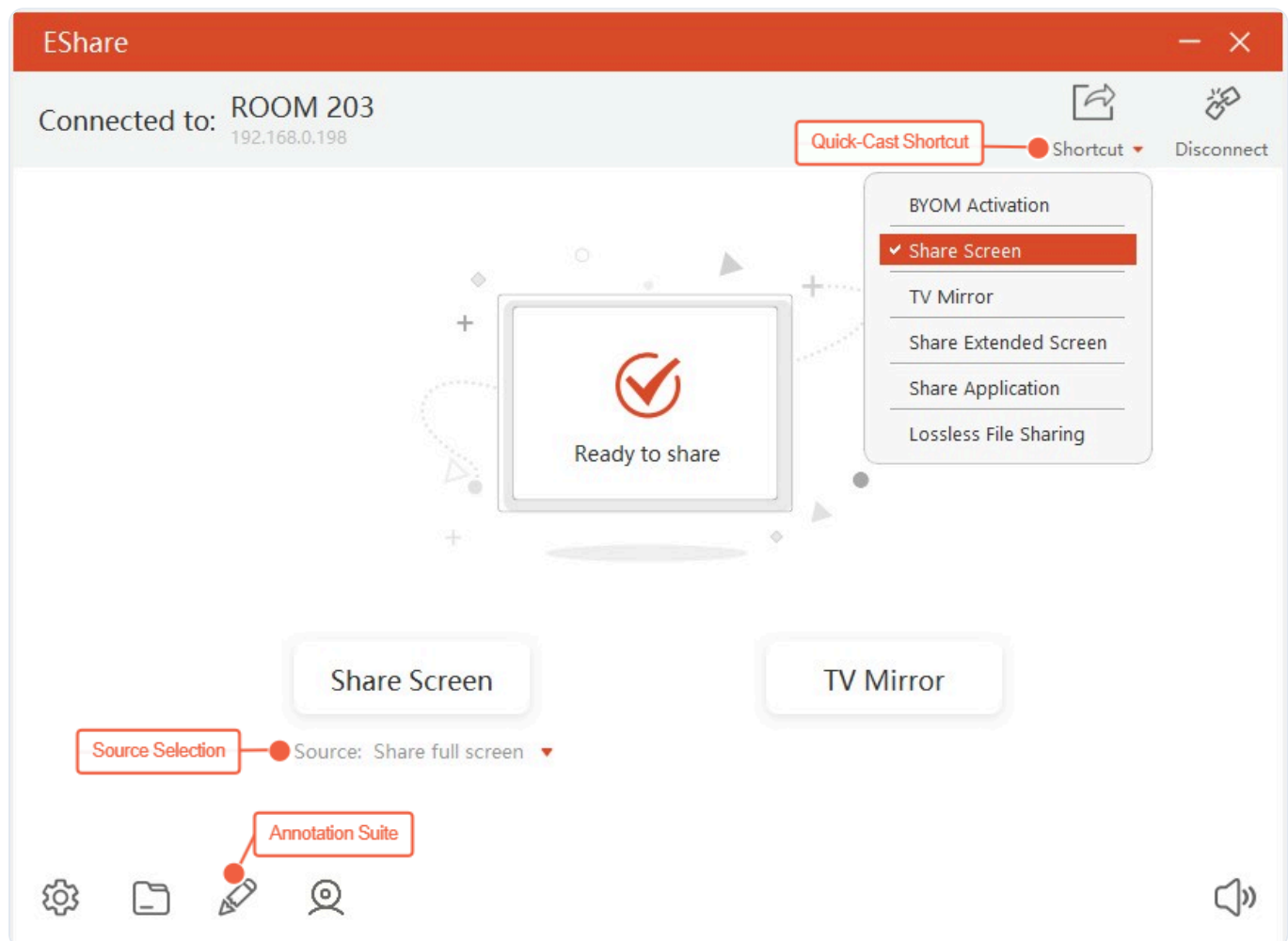
Choose to share your entire screen, a specific application window, or an individual monitor. Perfect for focused presentations.

Annotation Suite (PC)

Access comprehensive annotation tools and save annotated content directly to your computer for future reference.

Quick-Cast Shortcut (Windows)

Create a desktop shortcut for any receiver. In the future, just double-click to connect and cast instantly.



The PC sender app highlighting advanced features.



Pro Tip: Power User Setup

Pin **EShare** to your taskbar. Create desktop shortcuts for frequently used receivers and configure auto-cast for your primary meeting rooms. This enables one-click presentations.

🔗 5. Native Integration (App-Free)

For ultimate convenience and accessibility, **EShare** 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, and iPadOS, AirPlay is the perfect solution for quickly sharing content from an **iPhone or MacBook**.

How to Connect:

1. Open **Control Center** on your device.
2. Tap the **Screen Mirroring** icon (🖥️).
3. Select the EShare 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:

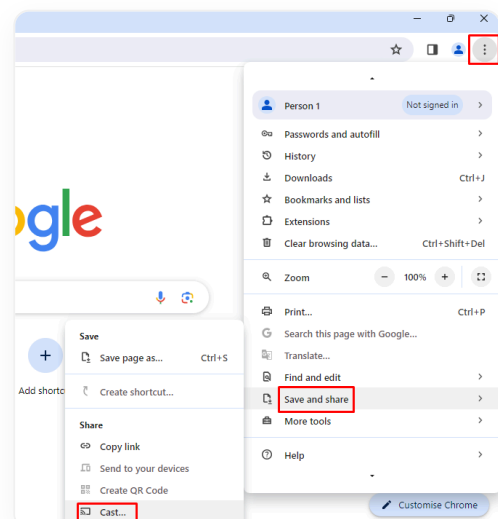
1. On your Windows PC, press **Win + K**. On Android, find the Cast/Smart View option.
2. The "Connect" panel will appear, scanning for wireless displays.
3. Select the EShare receiver's name from the list.

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:

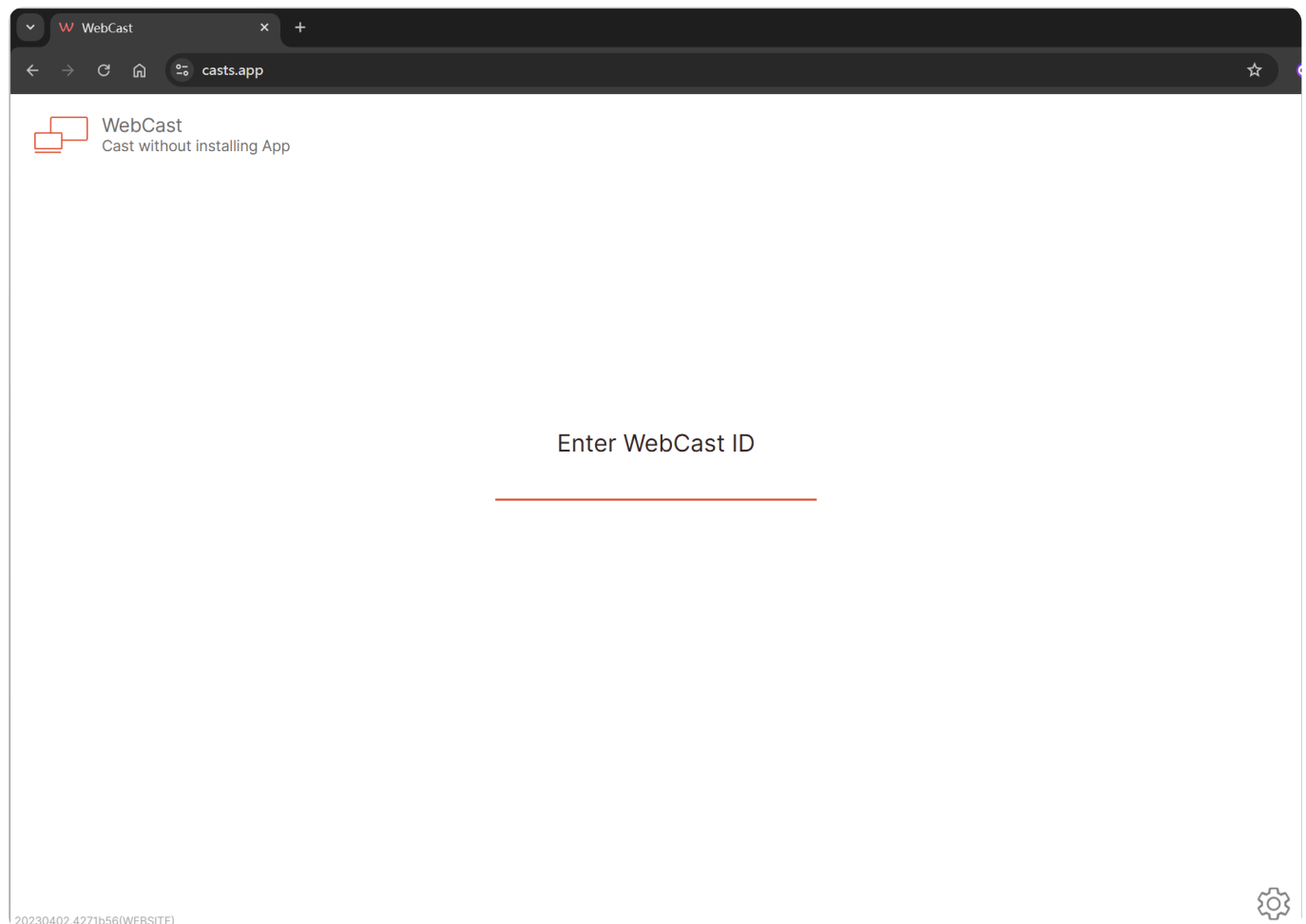
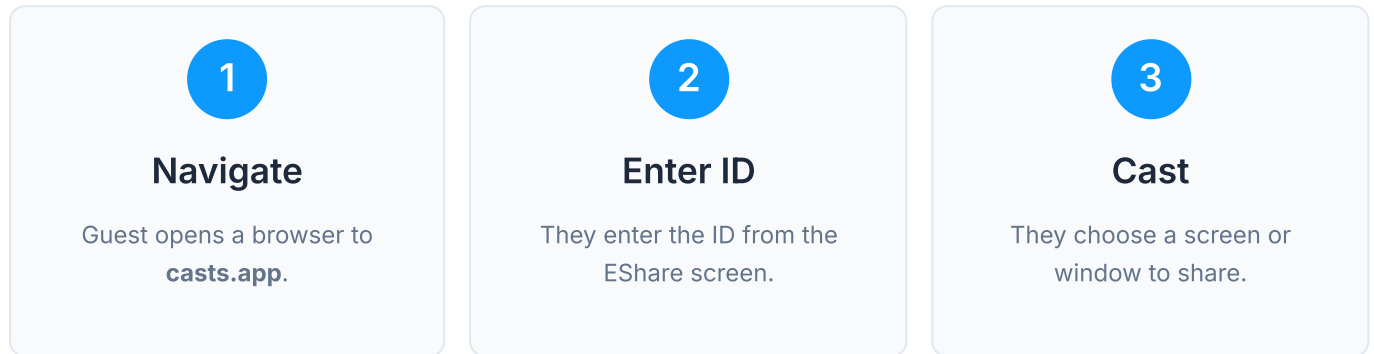
1. Open the **Google Chrome** browser.
2. Click the **Cast icon** (📺).
3. Choose what you want to share (e.g., "Cast tab").
4. Select the EShare receiver's name from the list.



6. Guest & Remote Access

WebCast: For On-Site Guests (Zero Installation)

A guest needs to share their screen but can't install software? **No problem.**



The WebCast interface for guests.



Note: **WebCast** must be enabled in EShare settings on the receiving device.

Cloud Broadcast: For Remote Viewers

Need to share the content of a physical meeting with a remote team member?

1

Enable

On the receiver, enable **Cloud Broadcast**.

2

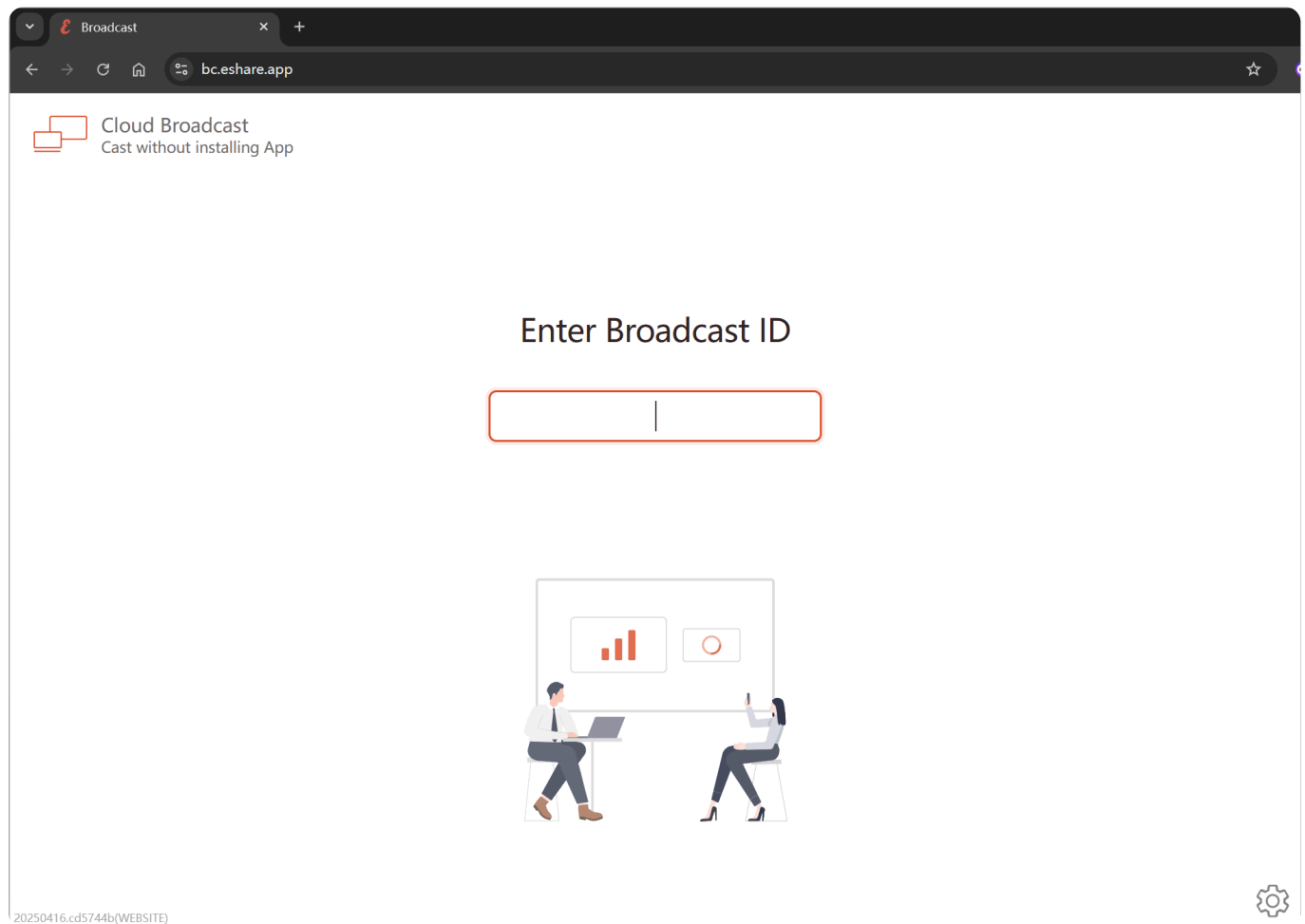
Share ID

Share the generated secure Broadcast ID with the remote viewer.

3

Watch

The remote viewer visits **bc.eshare.app**, enters the ID, and can see a live feed of the main screen from **anywhere in the world**.



Remote viewers can watch the presentation via Cloud Broadcast.

✂ 7. EShare Dongle: Premium Hardware

*The EShare Dongle is a premium hardware solution that enhances the **EShare** ecosystem with true plug-and-play functionality across all platforms.*



Plug-and-Play

Instant screen sharing with a one-button connection for quick presentations.



4K & BYOM Support

Up to 4K resolution support, plus seamless integration with your preferred meeting platforms.



Secure Connection

The dongle creates a direct, encrypted connection, bypassing the need for network configuration and ensuring data privacy.

Simply plug the dongle into any laptop's USB-C port and tap the button to mirror your screen instantly.

8. Troubleshooting & FAQ



Problem: I can't connect to the receiver.

First Steps:

- ✓ Confirm both your device and the receiver are on the same Wi-Fi network.
- ✓ Try connecting via IP address to rule out network discovery issues.
- ✓ Restart the EShare app and check if the receiver appears.

Advanced: Your network firewall may be blocking required ports. Please contact your IT administrator for assistance.



Problem: There is no audio during mirroring.

- ✓ **Universal:** Check that volume is not muted on your source device, the EShare app, or the main display.
- ✓ **For Windows:** In the EShare app settings, ensure the "EShare Audio" Virtual Audio Card is enabled.
- ✓ **For Android 10+:** System-wide audio is captured. On older versions, audio will play from your phone.



Problem: Black screen during screen mirroring.

For Windows users, try switching encoding mode in **Settings > Encoding Mode**, change from "Hardware" to "Software" to resolve compatibility issues with certain devices.



Problem: Miracast (Win+K) is not working.

- ✓ Ensure Miracast is enabled in ESharePro settings.
- ✓ Click the "i" button next to the Miracast option in settings, enable compatibility mode and try again.
- ✓ If still not working, the device hardware may not be compatible. Contact your device manufacturer.

Troubleshooting (Continued)

Problem: Mirroring is laggy or choppy.

A flawless streaming experience depends on a high-quality network connection. Video is particularly sensitive to network performance.

Network Best Practices:

- ✓ **Wired Receiver:** For maximum stability, connect the **EShare Receiver** to the network with an Ethernet cable.
- ✓ **5GHz Wi-Fi:** Ensure client devices are connected to a stable 5GHz Wi-Fi band, which is less prone to interference than 2.4GHz.

Performance Targets for Demanding Use Cases:

Bandwidth

30 Mbps

Stable bandwidth per video stream.

Latency

< 50ms

Low ping time between devices.

Jitter

Near Zero

Minimal latency fluctuation.

♥ Our Commitment

*Our mission is to create technology that feels like **magic**—intuitive, reliable, and powerful. **EShare** is built on a foundation of relentless innovation and a deep commitment to the user experience.*

We are dedicated to making every one of your collaborative interactions more fluid, productive, and engaging.

Thank you for being part of the EShare journey.

Welcome to seamless sharing.

Glossary of Terms

AirPlay — Apple's proprietary protocol for wirelessly streaming audio, video, and screen content from its devices.

BYOM (Bring Your Own Meeting) — A feature that allows a user's laptop to use a meeting room's camera and microphone for a video conference call (e.g., Teams, Zoom).

Cloud Broadcast — An EShare feature that streams the main display's content over the internet to remote viewers via a secure code.

Dongle — A small hardware device that plugs into a computer (usually via USB-C) to provide a simple, one-click connection for screen sharing.

Google Cast — Google's protocol for streaming content from a device (like a phone or Chrome browser) to a compatible display.

Latency — The delay or lag between an action on a source device and its appearance on the mirrored display. Lower latency is better.

Miracast — A wireless display standard that allows devices (primarily Windows PCs) to mirror their screens to a compatible display, often using a direct Wi-Fi connection.

Moderator Mode — A control mode on the EShare Receiver that allows a host to approve, deny, and manage who can share their screen.

Receiver — The EShare software running on the main meeting room display (e.g., an interactive panel or TV) that receives and shows content from other devices.

Sender — The EShare application running on a user's personal device (laptop, phone) that sends content to the Receiver.

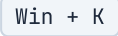
TV Mirror (Reverse Mirroring) — A feature in the EShare app that shows the main display's content on your personal device, allowing for remote control and annotation.

WebCast — An EShare feature that allows guests to share their screen using only a web browser, with no software installation required.

Quick Reference Sheet

App-Free Connection

Apple (AirPlay): Open Control Center > Screen Mirroring > Select EShare device.

Windows (Miracast): Press  > Select EShare device.

Chrome (Google Cast): In Chrome, click Cast icon > Select EShare device.

Guest Connection (No Install)

Open browser to **casts.app** > Enter ID from screen.

Remote Viewing


Open browser to **bc.eshare.app** > Enter Broadcast ID.

General Troubleshooting

1. Are both devices on the same Wi-Fi network?
2. Try connecting via IP Address instead of by name.
3. Restart the EShare app on your device.

Top 3 Issues & Fixes

No Audio: Check volume on all devices. On Windows, ensure 'EShare Audio' Virtual Audio Card is on in EShare settings.

Laggy/Choppy Video: Connect the  with an Ethernet cable. Connect your device to a 5GHz Wi-Fi network if possible.

Black Screen (Windows): In EShare PC settings, change Encoding Mode from 'Hardware' to 'Software'.

Support

Website: eshare.io

Email: support@eshare.io

Need Help?

For technical support and the latest updates, visit our website or contact our global support team.



eshare.io



support@eshare.io

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