



# InstaShare 2 User Manual

Wireless screen sharing software

V 3.00

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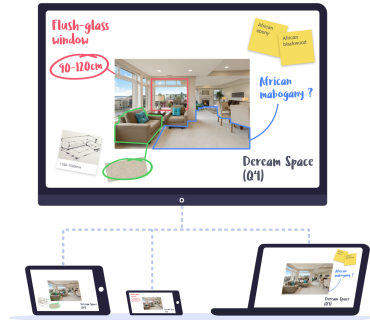
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# Introduction

InstaShare 2 is a software-based solution for multi-user collaboration. Users can present wirelessly using their mobile devices without installing any software.

With InstaShare 2 app, presenters can control displayed contents remotely from any personal devices while other participants are allowed to join the discussion by synchronizing the display screen for hands-on annotation.



## Note

Images and menu options in this document are for reference only and may look different according to different BenQ products or the operating system of your device. The user interface may be subject to change without prior notice.

## Knowing your devices

BenQ display and BenQ projector will hereinafter be referred to as Host device.



Host device  
(BenQ display/projector)





Personal devices

# Before you start

## 1. Downloading InstaShare 2

For BenQ display

Watch [how-to video](#).

If InstaShare 2 is not preloaded in your display, visit **Apps**  > **BenQ App Store**  to download it manually.

For Mac and Windows users

Go to [InstaShare 2 website](#) for the latest version of **InstaShare 2**.

For iOS and Android users

Follow either way to install **InstaShare 2** on your smartphone:

- Go to the App Store in your device and search "InstaShare 2".
- Open **InstaShare 2** on your [Host device](#) and select **Install App**. Follow the instructions to download **InstaShare 2**.



## 2. Checking network connection

In order to cast contents using **InstaShare 2**, you need to connect your personal device and the [Host device](#) to the same Internet.



- For BenQ display, go to **Settings > Network**.
- For BenQ projector, go to **Settings > General**.

## Connect via WiFi

1. Select an available network.
2. Enter the Wi-Fi password when prompted.

## Connect via Hotspot



1. Enable **Portable Wi-Fi Hotspot/Hotspot**.
2. Set your Internet to 5G.
  - For BenQ display, select **Set up Wi-Fi Hotspot**, then set **Band** to **5 GHz**.
  - For BenQ projector, under **Internet Quality**, select **Higher(5G)**.

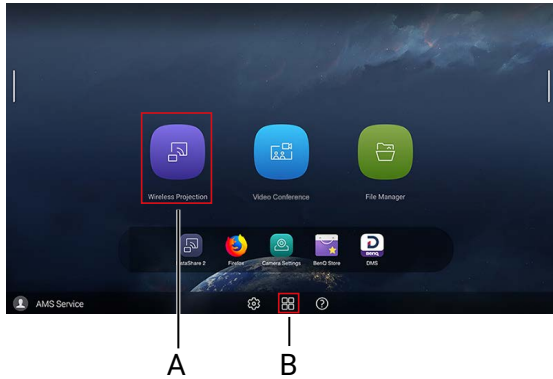
# 3. Launching InstaShare 2

Available on BenQ display & projector

### Note

- For the optimal performance of InstaShare 2, make sure you are in an ideal wireless connection environment with strong and stable Wi-Fi signal.
- The language of the software follows the language settings of your operating system. English will be used if the selected display language is not supported by the software.

1. Use either way to access InstaShare 2 on your [Host device](#):
  - A. Select the wireless projection icon on the home screen.
  - B. Go to Apps  > InstaShare 2  to launch the software.



2. Follow the instructions on the tutorial window to connect your device with the display.





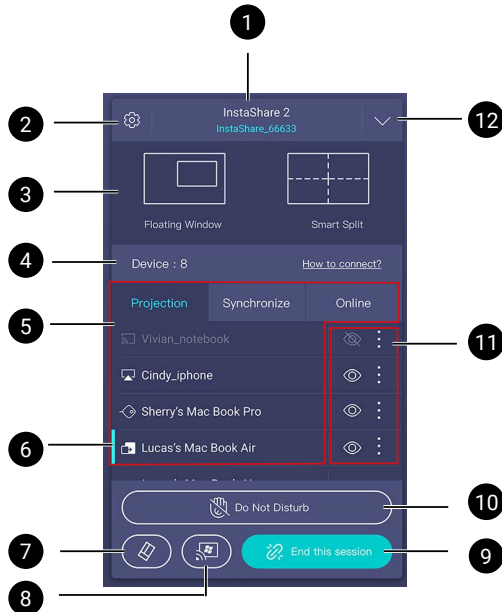
# Managing the session

## Interface of Host Controls window

Available on BenQ display & InstaShare 2 mobile app

### Tip

BenQ projector users need to download InstaShare 2 app on their mobile device to access the Host Controls window.



### 1. Display name

You can change the name of the display in **Advanced settings**.

### 2. Advanced settings

Modify settings such as the display name, connection password, or mirroring confirmation message.

### 3. Screen-sharing modes






Toggle between [Floating Window mode/Full Screen mode](#) and [Smart Split mode](#).

### 4. Information bar


- **Device:** View total number of connected device.
- **How to connect?:** Tap to open the connection instruction page.

### 5. Connection categories

Tap each category (**Projection/Synchronize/Online**) to see the status of all connected device.

-  : Projecting via Miracast
-  : Projecting via AirPlay
-  : Projecting via InstaShare Button (**BenQ display only**)
-  : Projecting via InstaShare 2 App
-  : Projecting via Chromecast

## 6. **Host of this session**

Marked the Host of the session. Click on the  icon of each device to revoke the host permission or assign a new one.

## 7. **Eraser**

Tap to clear all annotation notes

## 8. **Turn on Miracast**









Tap to enable **Miracast** connection for Windows device.

## 9. **Do Not Disturb**

Tap to disable incoming projection requests from the participants.

## 10. **Permission settings**

Manage or allow certain action on selected devices.

-  /  : Show/hide projecting content for devices in **Projection**.
-  : Allow to touch the display remotely for devices in **Synchronize**.
-  : Allow to annotate on the display for devices in **Synchronize**.
-  >  : Remove/assign as Host
-  >  : Disconnect with the device

## 11. **End this session**

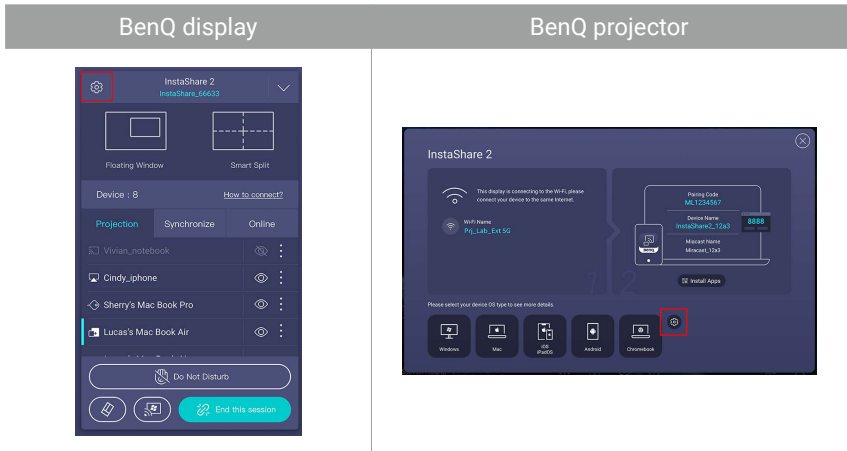
Tap to close the entire session.


## 12. **Minimize window**

Minimize the **Host Controls window**.

# Changing name and password for Host device

1. Select the settings icon (  ) to access **Advanced settings**:



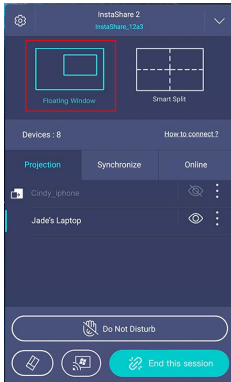
2. In **Advanced settings > Display Name**, set your display name no longer than 16 characters.
3. In **Advanced settings > Connection Password**, enable/disable password for connection. Tap on  to load a new random password.

# Floating Window mode

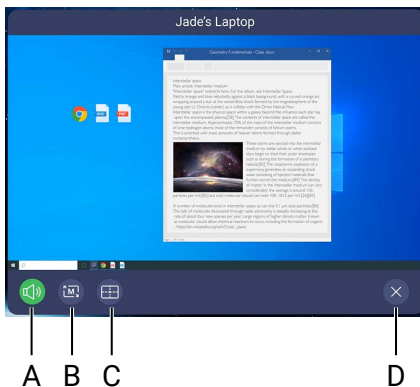
Available on BenQ display

In **Floating Window** mode, presenters can use other software along with their shared screen.

1. In **Host Controls** window, select **Floating Window**.



2. To manage the **Floating Window**, the following actions can be performed:



- A. Tap to mute/unmute the sound of the device.
- B. Tap to resize the window to small, medium or large.
- C. Tap to switch to the **Smart Split** mode to automatically lay out the shared screens.
- D. Tap to close the current floating window.

# Smart split mode

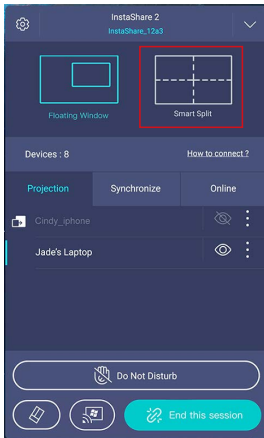
Available on BenQ display & projector

In **Smart Split** mode, simultaneously share up to nine screens on BenQ display for synchronized discussions. Share up to four screens on BenQ projector.

## Note

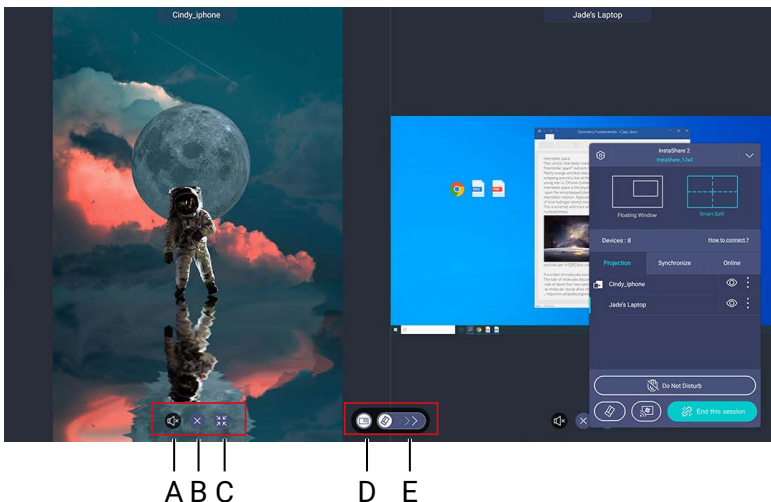
Depending on different BenQ IFP models, the maximum number of split screens varies. See [Compatibility with different BenQ IFP models](#) for more information.

1. In **Host Controls** window, select **Smart Split**.

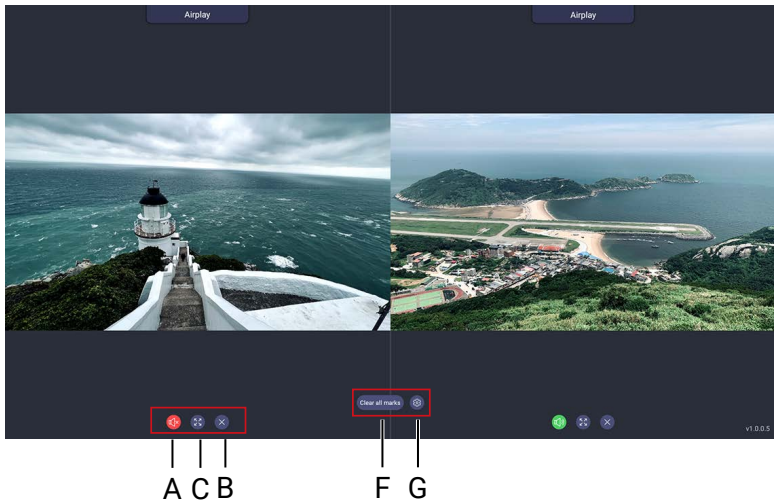


2. To manage the split windows, the following actions can be performed:

- For display:



- For projector:



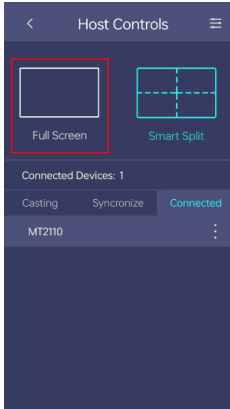
- Mute/unmute the sound of the device.
- Close the certain split window
- Toggle between full screen mode or smart split mode.
- (Display only)** Switch to the **Floating Window** mode to run other software alongside your shared screen.
- (Display only)** Swipe right to clear all annotations on the screen.
- (Projector only)** Clear all marks on the screen.
- (Projector only)** Open the settings window.

# Full screen mode

Available on BenQ projector

Select **Full Screen** mode to leave only one screen to display.

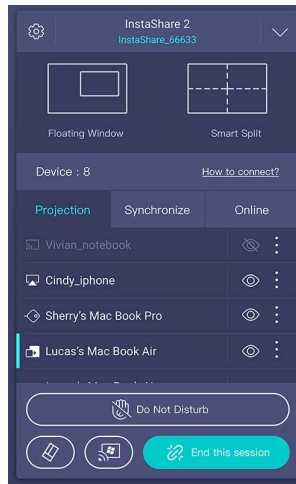
1. In **Host Controls** window, select **Full Screen**.










2. Choose a shared screen you want to keep.

# Managing projecting devices

You can view the lists of connected devices on the **Host Controls window** as shown below, divided by connecting status including **Projection**, **Synchronize** and **Online**.



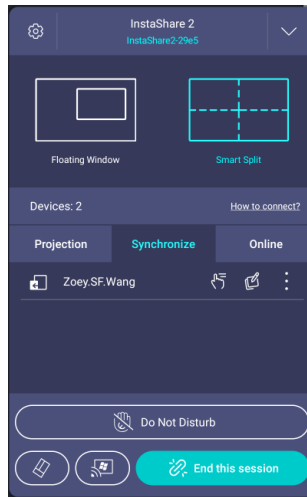
## Tips on managing devices in **Projection**:

- In Smart Split mode, choose  /  to show or hide projecting contents from the specific device.
- If the projecting devices have reached the maximum number or you want to end the sharing of a certain user, go to  >  to disconnect with the device.
- Select  >  to remove or assign a participant as Host.
- When you need the room to focus on the current sharing, select **Do Not Disturb** to temporarily disable incoming presentation requests.
- If you need the participants to receive permission from the Host before casting contents, you can enable **Confirm before device casts contents** in **Advanced settings** .











# Managing synchronizing devices

You can view the lists of connected devices on the **Host Controls window** as shown below, divided by connecting status including **Projection**, **Synchronize** and **Online**.



Tips on managing devices in **Synchronize**:

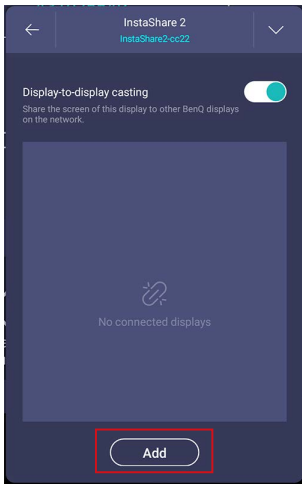
- Select  to allow connected devices to control the [Host device](#) remotely.
- Select  to allow certain device to annotate on the Host device.
- If you want to stop a certain user from synchronizing the screen of Host device, go to  >  to disconnect with the device.
- Select  >  to remove or assign a participant as Host.
- If you want all devices to stop synchronizing the screen, go to **Advanced settings** () to disable **Allow devices to synchronize the display screen**.
- Tap on the  icon to clear all annotation notes.

# Sharing display screen to other displays

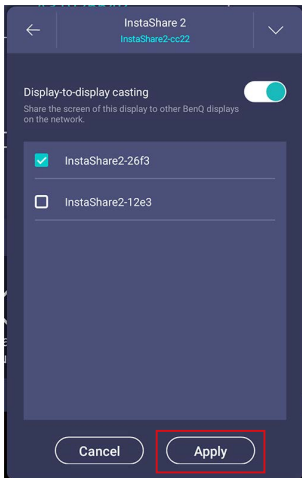
Available on BenQ display

If you want to synchronize the screen of multiple displays in a room, ensure they are connected to the same network and continue.

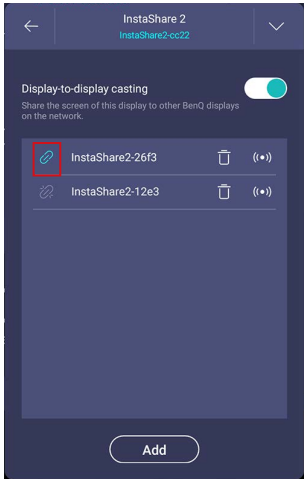
1. On the main display, go to **Host Controls window > Advanced settings** to turn on **Display-to-display casting**.
2. Click **Add** to search for available displays under the same network.



3. Check the displays you want to connect with and click **Apply**.



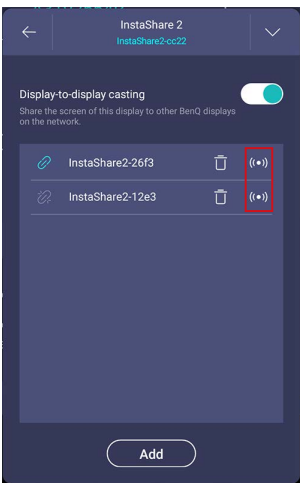
4. Check the icon to ensure all selected displays are connected.



## Finding your grouped displays

Available on BenQ display

Click the icon to search for a certain display. The selected display's border will flash and the display name will appear in the center of the screen.

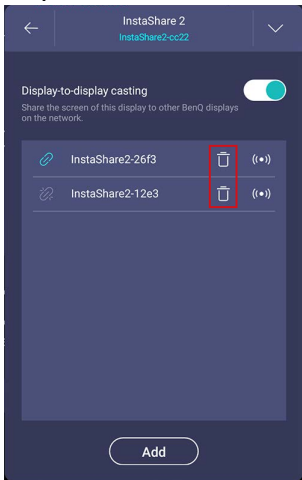


# Disconnecting grouped displays

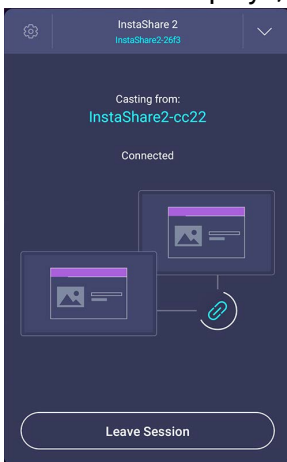
Available on BenQ display

Use either methods below to disconnect grouped displays:

- On the main display, click the icon to delete displays from the casting group.



- On connected displays, click **Leave Session** to leave the casting group.



# Casting contents without installing InstaShare 2 app

## Note

Only users connected to the display via InstaShare 2 app can be assigned as Host. See [Casting contents with InstaShare 2 app](#) for more information.

## Casting with InstaShare Button

Available on BenQ display

Watch [how-to video](#).

Select the **InstaShare Button** icon on the connection tutorial window to view a step-by-step tutorial.



## Casting by AirPlay (macOS/iOS)


Watch how-to videos

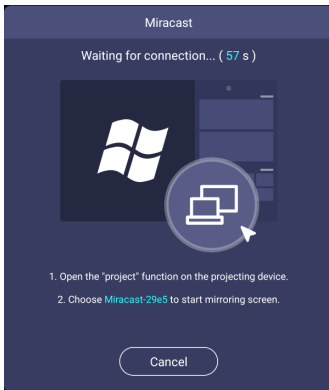
- [For macOS users](#)
- [For iOS users](#)

1. Ensure that your Mac/iOS device and the [Host device](#) are connected to the same network.
2. Select the AirPlay icon (📺 / 📱) on your device and choose the display name to mirror your screen.
3. The screen will then be mirrored on the display once you've connected successfully.

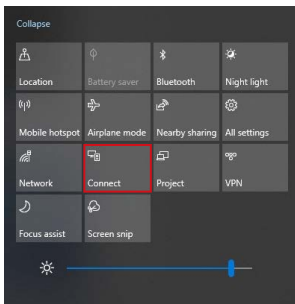
# Casting by Miracast (Windows)

Watch [how-to video](#).

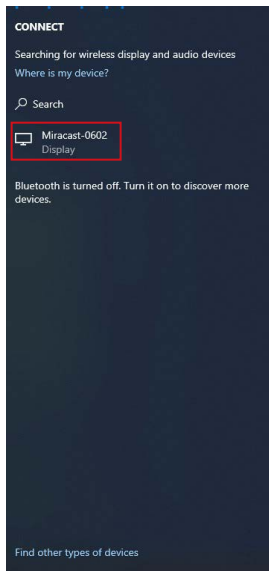
1. Ensure that both the Windows laptop and the [Host device](#) are connected to the same Wi-Fi.
2. For BenQ display, select the Miracast button (  ) on the Host Controls window to make the display discoverable on your laptop. For BenQ projector, skip step 2 & step 3.
3. A connection instruction window will pop up as shown below. Follow the instructions to pair your laptop within 60 seconds.



4. To pair your laptop with the Host device, select the **Connect** function in Windows or press **Windows logo key + K** to open cast options.




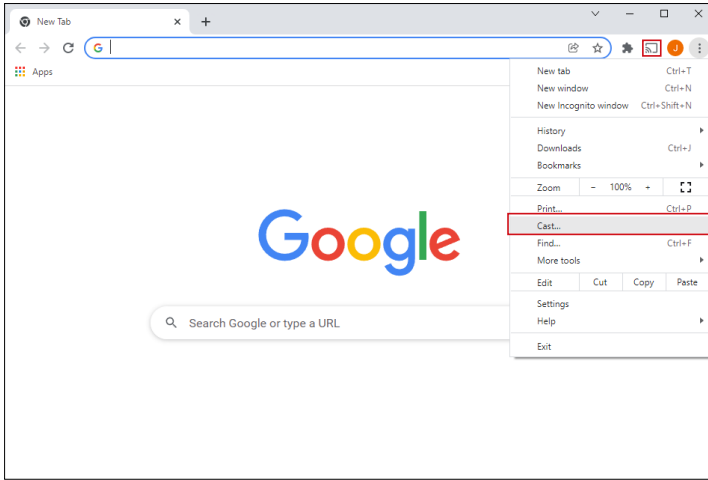
5. Wait for the display name to appear in the list and click on the display name to connect.



6. The screen will then be broadcast on the Host device once you've connected successfully.

# Casting by Chromecast

1. Connect your personal device to the same network as the [Host device](#).
2. Open the Chrome browser and click **⋮** > **Cast...** or click  on the toolbar to cast.

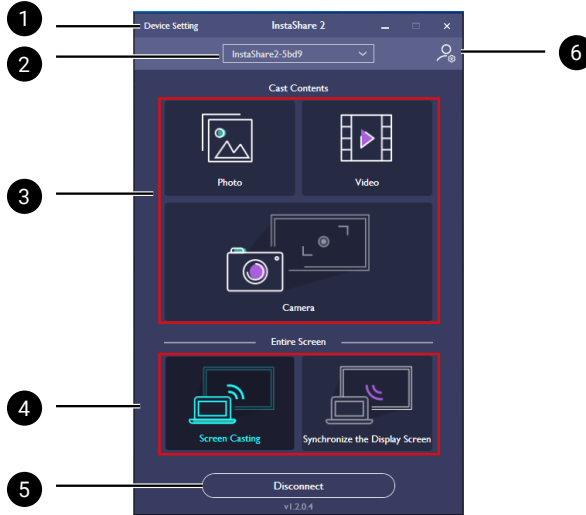




# Casting contents with InstaShare 2 app

See [Downloading InstaShare 2 on page 2](#) to get the app for your personal device.

## Interface overview



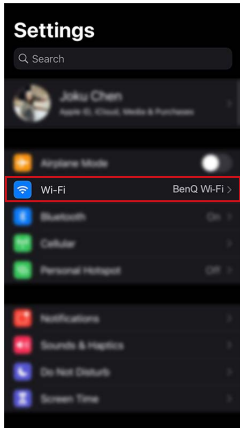
No.	Function	Descriptions
1.	<b>Device Setting</b>	Change the name of the device.
2.	<b>Connected display</b>	Shows a list of display available for pairing.
3.	<b><a href="#">Cast Contents</a></b>	Select the media type to share contents without exposing your entire screen. <b><a href="#">Screen Casting</a></b> : Cast your device screen to the display.
4.	<b>Entire Screen</b>	<b><a href="#">Synchronize the Display Screen</a></b> : View the <b><a href="#">Host device</a></b> screen on your device, with touch-back and annotation function if allowed by the Host.
5.	<b>Disconnect</b>	Disconnect from the Host device.

No.	Function	Descriptions
6.	<b>Advanced settings</b>	Tap to request to be the Host and adjust Host settings remotely.

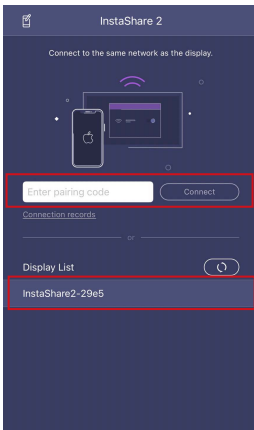

## Connecting and pairing

Follow the steps below to start sharing contents via **InstaShare 2** app:

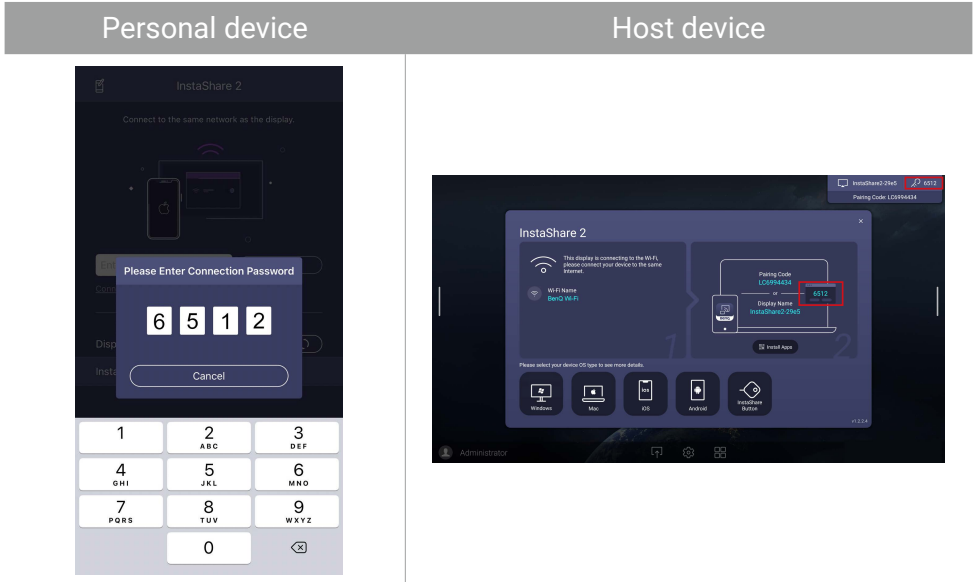
1. Ensure that your personal device and the [Host device](#) are connected to the same network.

Personal device	Host device
 <p>The screenshot shows the 'Settings' app on an iPhone. The 'Wi-Fi' toggle is turned on and is highlighted with a red box. The network name 'BenQ Wi-Fi' is selected and also highlighted with a red box.</p>	 <p>The screenshot shows the InstaShare 2 app interface on a host device. A red box highlights the 'Pairing Code' (L29984434) and the 'Display Name' (InstaShare2-29e5). Below the code, there are buttons for 'Install App' and 'Please select your device OS type to see more details.' with icons for Windows, Mac, iOS, Android, and InstaShare Button.</p>

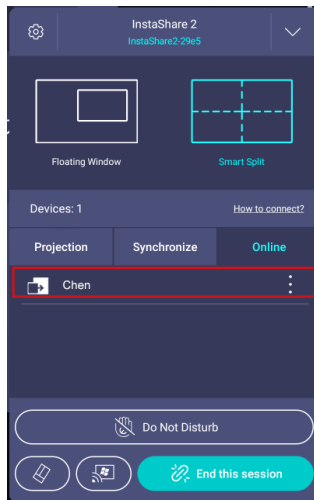
2. Open **InstaShare 2** app on your device and enter the pairing code or select the display name in the **Display List**.

Personal device	Host device
 <p>The screenshot shows the InstaShare 2 app on a personal device. A red box highlights the 'Enter pairing code' input field and the 'Connect' button. Below, the 'Display List' is visible, with 'InstaShare2-29e5' highlighted by a red box.</p>	 <p>The screenshot shows the InstaShare 2 app on a host device. A red box highlights the 'Pairing Code' (L29984434) and the 'Display Name' (InstaShare2-29e5). Below the code, there are buttons for 'Install App' and 'Please select your device OS type to see more details.' with icons for Windows, Mac, iOS, Android, and InstaShare Button.</p>

3. You may be asked to enter the password to successfully pair with the Host device.



4. Once connected successfully, you can find your device in the **Online** tab in **Host Controls** window.

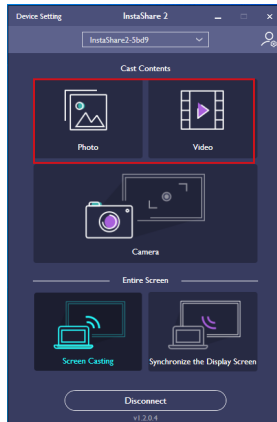


5. Now you can start using **InstaShare 2** to share your ideas.

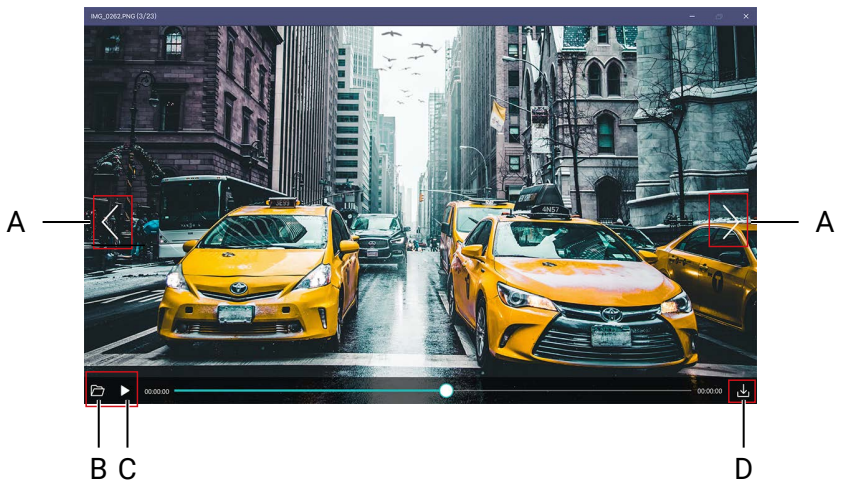
# Sharing photos and videos

## Casting from computer (Mac/Windows)

1. In InstaShare 2 app, choose **Photo** or **Video**.



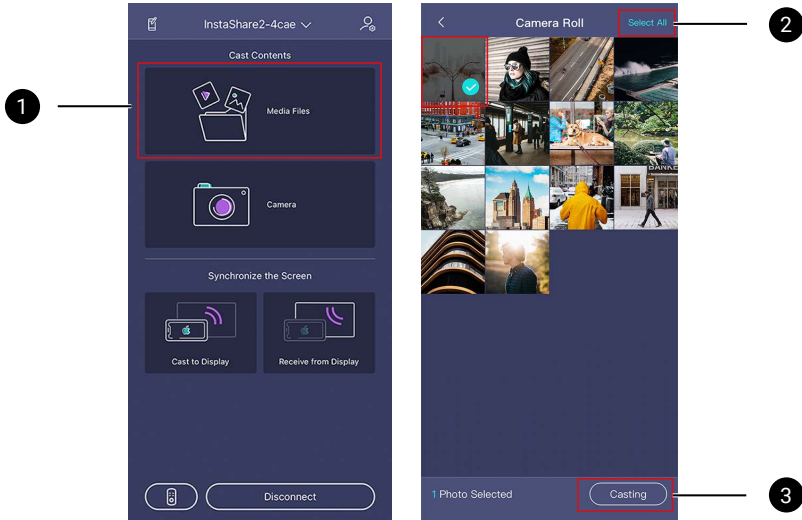
2. Select a file you want to display and perform any of the functions shown on the screen.




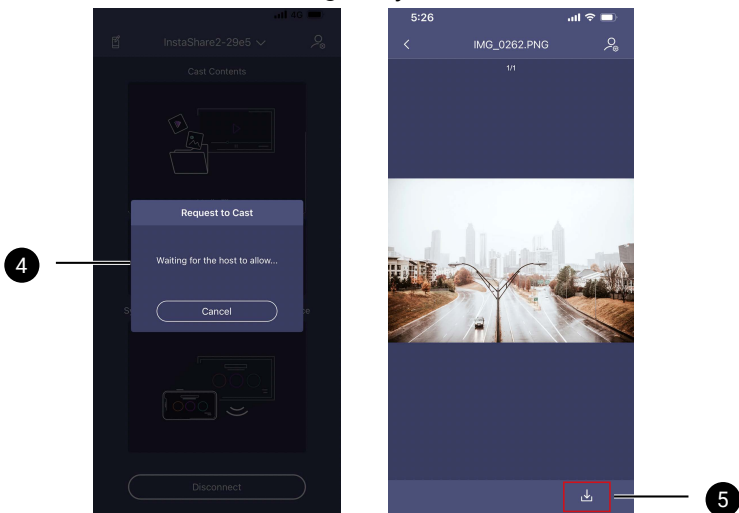
- A. Show the previous/next file within the same folder.
- B. Open the default file manager in your computer and select different files to cast.
- C. (Video only) Play/pause the current video.
- D. Take a screenshot and save the screen to your personal device.

# Casting from mobile device (iOS/Android)

1. In InstaShare 2 app, select **Media Files** to share images and videos on your device.
2. In your album, select the image/video to share or click **Select All** to select all files in the folder.
3. Select **Casting** to start sharing contents on the Host device.

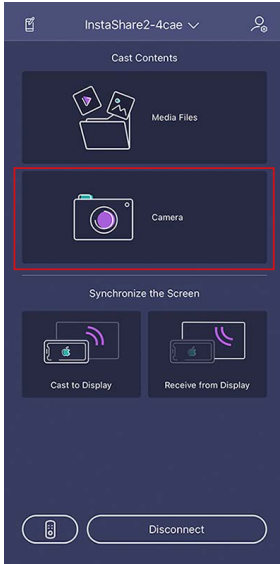


4. Wait for the Host to confirm your casting if **Confirm before device casts contents** is enabled in **Advanced settings**.
5. If any annotation is made during your sharing, tap  to take a screenshot and save the image to your device.

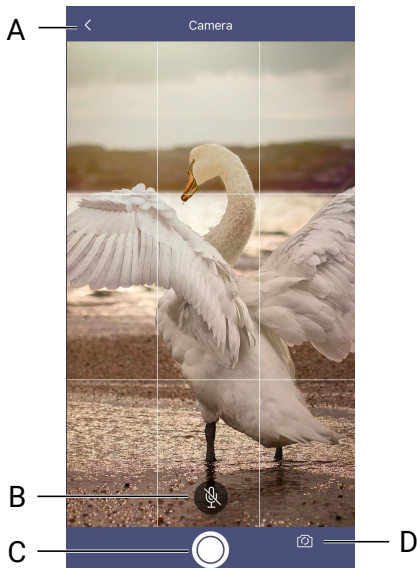


# Sharing contents through camera

1. In InstaShare 2 app, tap **Camera** to capture real-time image and cast the image to the display.



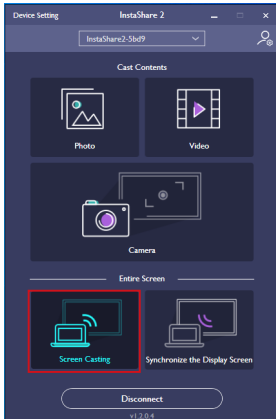
2. To adjust camera settings and manage photos taken, the following actions can be performed.



- A. Leave **Camera**.
- B. Play/Mute the sound of your computer/cellphone on the display.
- C. Take a photo and cast image to the display.
- D. Toggle between the front- and back-facing camera.

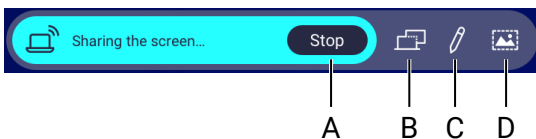
## Casting entire screen to the display

1. On InstaShare 2 app, click **Screen Casting** to share your entire screen to the display.



2. While you are sharing screen, the laptop version of InstaShare 2 App will show a screen-sharing toolbar. Hover the cursor over the toolbar to display the complete editing tools as follows:

For Mac & Windows



- A. Stop sharing screen to the display
- B. Extend your screen to the display
- C. [Annotate on your screen](#)
- D. Take a screenshot of your screen

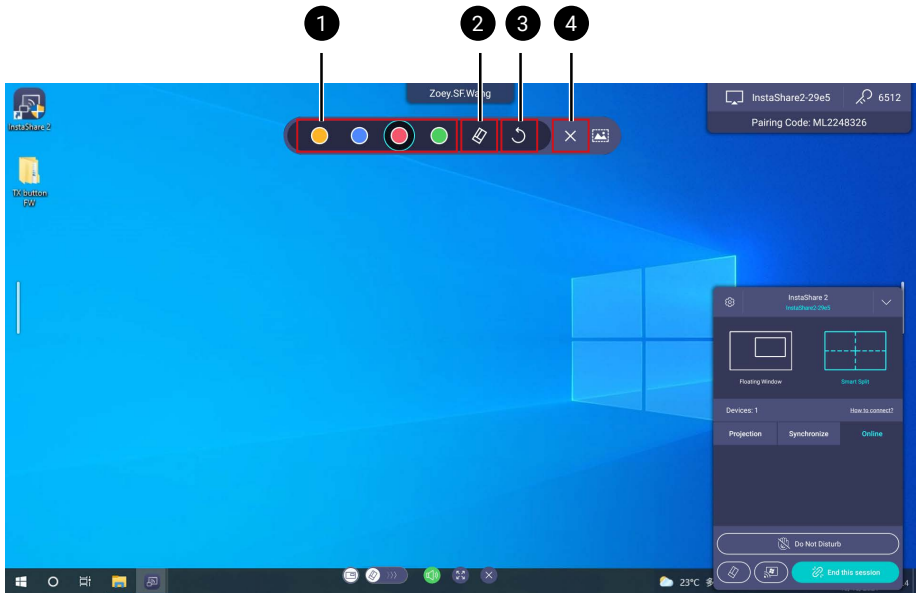
### Note

While casting the screen, users may control the device screen from the BenQ display.

# Annotate on your screen

For Mac & Windows

Tap on the pencil icon to start writing on your screen. The toolbar will be shown as below:

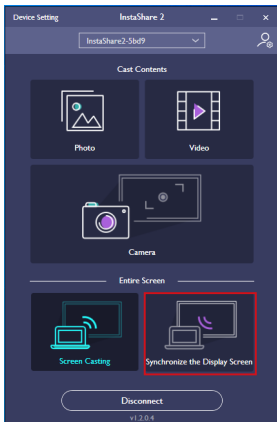


1. Color list
2. Clear all annotations on the screen.
3. Undo the previous action.
4. Close the annotation bar

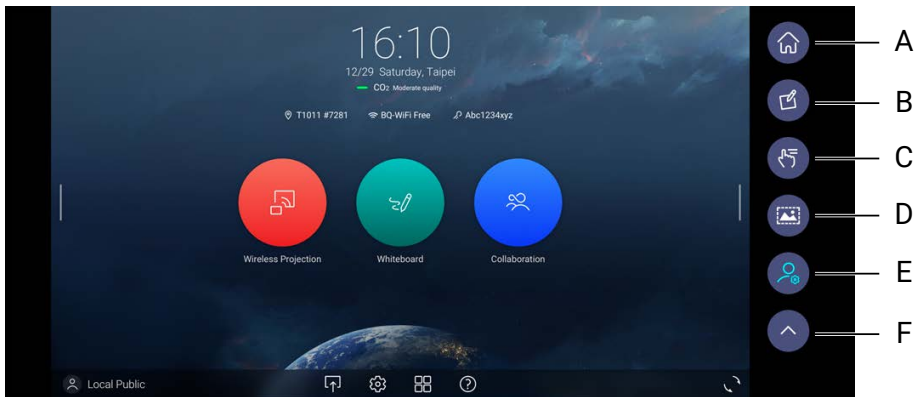


# Synchronizing the display screen

1. On InstaShare 2 app, click **Synchronize the Display Screen** to view the entire display screen on your laptop or smartphone.



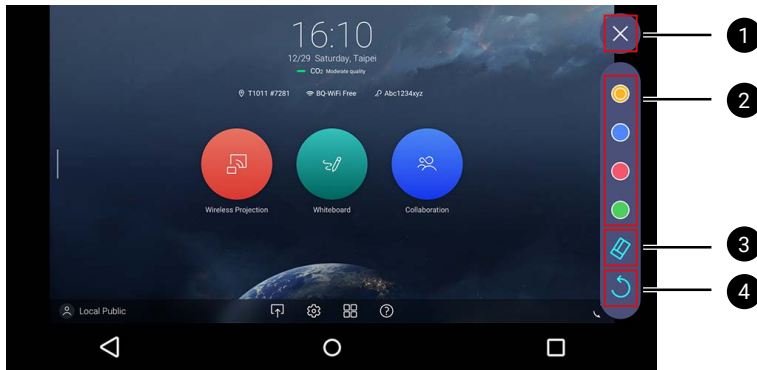
2. Once synchronized, the following actions can be performed:



- A. Return to the home page.
- B. [Annotate on the display from your screen.](#)
- C. Activate two-way touch to control the display screen remotely.
- D. Take a screenshot of your screen.
- E. Accessing **Host Controls window** to control connected devices.
- F. Minimize the toolbar.

# Annotate on the display from your screen

Tap on the icon to start writing on your screen. The toolbar will be shown as below:



1. Close the annotation bar
2. Color list
3. Clear all annotations on the screen.
4. Undo the previous action.

# Recommended specifications for personal devices

Type	Windows	Mac	iPhone	Android
<b>Processor</b>	8th Generation Intel Core i5	Macs compatible with macOS 10.15	iPhone/iPad compatible with ios12	8 processors
<b>RAM</b>	8G	Macs compatible with macOS 10.15	iPhone/iPad compatible with ios12	3G
<b>OS</b>	Windows 10	10.15	iOS 12	Android 8
<b>Disk drive</b>	Free memory over 200M, not including log and screen cap.	Macs compatible with macOS 10.15	iPhone/iPad compatible with ios12	Free memory over 50M.
<b>Other</b>	Support Direct 3D	X	X	<ul style="list-style-type: none"> <li>• Supported video format: H.264 &amp; VP8</li> <li>• Supported audio format: ISAC</li> </ul>

# Compatibility with different BenQ IFP models

## Smart Split mode

Due to constraints on certain IFP models, the models listed below supports only up to 4 users projecting in a split screen presentation simultaneously.

- RE01 series: RE6501, RE7501, RE8601, RE9801
- RM02S series: RM6502S, RM7502S, RM8602S

## Port table

### For InstaShare 2 app on IFP and Windows

URL/DNS	Description	Inbound/Onbound	Port
<a href="https://vod.benq.com/">https://vod.benq.com/</a>	Self Update	Outbound (IFP)	HTTPS / 443
N/A	HTTP(S) transfer outbound	Outbound (IFP)	TCP / 80,443,8080
Windows media share	HTTP transfer inbound (MediaShare)	Inbound (Windows)	TCP / 80
TCP mirror	TCP video port	Inbound, Outbound (IFP)	TCP / 6788
TCP mirror	TCP audio port	Inbound, Outbound (IFP)	TCP / 6789
Webrtc mirror	Webrtc random port	Inbound, Outbound (IFP, windows)	UDP / Random port between 65525~65535
UDP listener	Device search port	Inbound(windows), Outbound(IFP)	UDP broadcast (IFP) UDP port 20000 (windows)
N/A	Search device protocol(NSD service)	Inbound, Outbound (IFP, Windows)	UDP / 8888

## For setting up Miracast

Description	Inbound/Outbound	Port
Miracast streaming	Inbound, Outbound (IFP, Windows)	UDP / 9980-9999
Miracast RTSP handshake	Inbound, Outbound (IFP, Windows)	TCP / 7236
Miracast MS handshake	Inbound, Outbound (IFP, Windows)	TCP / 7250
Miracast mDNS	Inbound, Outbound (IFP, Windows)	Multicast UDP / 5353
Miracast touchback	Inbound, Outbound (IFP, Windows)	TCP / 50000

## For setting up AirPlay

Description	Inbound/Outbound	Port
AirPlay	Inbound, Outbound (IFP)	TCP/Random port between 30000 ~ 65535
AirPlay search protocol mDNS	Inbound, Outbound (IFP)	Multicast UDP 5353

## For setting up Chromecast

Description	Inbound/Outbound	Port
Chromecast	Inbound, Outbound (IFP)	TCP / 8008,8009