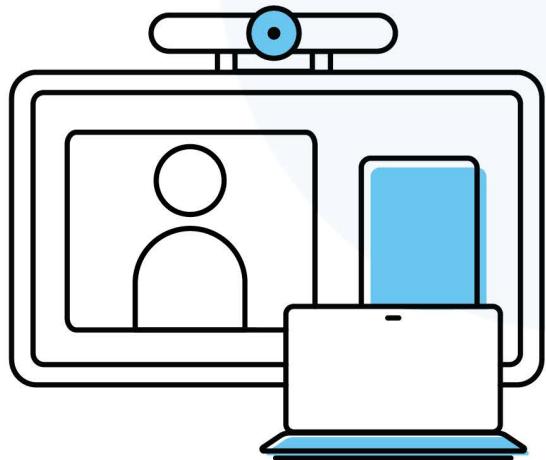
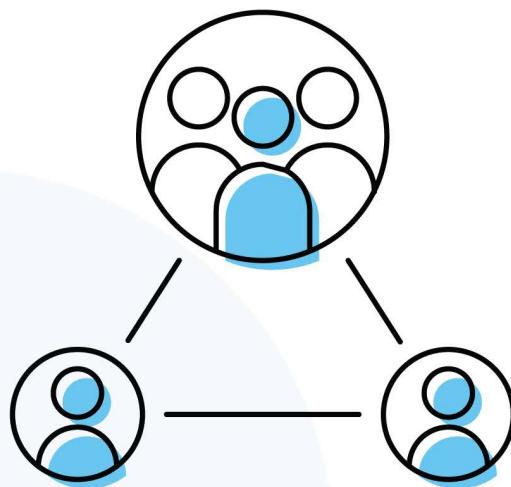




mersive
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Solstice Conference User Guide

Updated May 11, 2022

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Solstice Conference Overview

Solstice Conference is the software-based capability to wirelessly connect the Solstice content sharing and collaboration space, as well as audio and video devices connected to the Solstice Pod, to a video conferencing service running on a meeting host's laptop. Adding rich, multi-participant Solstice content sharing to video conferencing delivers a better collaboration experience between onsite and remote users. Solstice Conference paired with room audio/video devices delivers the convenience of a traditional video room system with the flexibility to use the meeting host's preferred video conferencing service.

Solstice Conference allows you to use Solstice with most laptop-based conferencing apps to add meeting support for remote attendees in Solstice-enabled rooms. Solstice Conference offers meeting hosts the flexibility to use their conferencing service of choice and provides wireless connectivity to room audio/video devices attached to the Solstice Pod via USB. Solstice Conference functionality is available on Gen3 Solstice Pods running Solstice version 5.0 and higher with a current Solstice Subscription.

Key Capabilities

- Leverages video conferencing applications running on local users' laptops.
- Enables meeting hosts to wirelessly connect to plug-and-play USB devices attached to the Pod to share room audio/video in the web conference.
- Uses integrated room and personal calendars to support a one-step start for scheduled web conferences.
- Allows the meeting host to share the full in-room display to the web conference so remote users can see everything happening on the display, including multi-source content sharing, markup, and more.

System Requirements

- Gen3 Solstice Pod running Solstice version 5.0 or higher (latest Solstice version recommended)
- Current Solstice Subscription for the Solstice Pod
- Meeting host laptop (Windows or macOS, recommended specs below)
- Latest version of the Mersive Solstice app with the same version of the bundled Solstice Conference capability installed (required for meeting host)
- Third-party video conferencing application for meeting host and remote users (not required for other on-site meeting participants)
- [Solstice Discovery Service \(SDS\)](#) is strongly recommended and required for one-step start of scheduled video conferences
- USB room camera and/or audio devices (optional) - ([verified supported device list](#))

- Microsoft Exchange, Microsoft 365, or Google Workspace room calendars integrated with Solstice Pod (optional)

Host Laptop Minimum Specs

Solstice Conference capabilities are supported on laptop devices that meet or exceed the following requirements. Meeting hosts' laptops should meet the minimum specs listed below. Other on-site meeting participants can wirelessly share content to the Solstice display using the Mersive Solstice app installed on their laptops or mobile devices. The ability to connect Solstice to a video conference is not supported on mobile devices.



Using the Mersive Solstice app only for wireless content sharing, control, and markup does not require the device to meet the minimum specs listed below. See [Mersive Solstice App](#) for more information.

Minimum Hardware Recommendations for Meeting Host Laptops

Windows

Operating System	Windows 10 version 1903 or later
Minimum Specs	Intel i5 quad core processor(6th Gen or newer); 8GB memory; processor speed of 1.6 GHz/min or better
Important Notes	<ul style="list-style-type: none"> Laptop computers with dual-core processors not currently supported. Microsoft Surface laptop devices and similar tablet-like devices are not currently supported, including (but not limited to) Microsoft Surface Laptop, Surface Book, and Surface Pro.



To check your Windows laptop specs, open Command Prompt and enter the `dxdiag` command.

macOS

Operating System	Catalina 10.15 or later
Minimum Specs	Intel i5 quad core processor; 8GB memory; processor speed of 1.2 GHz or better

Important Notes	<ul style="list-style-type: none"> • Apple M1 devices are supported; however, some M1 devices may experience performance issues. Mersive recommends upgrading M1 devices that often use Solstice Conference to macOS Monterey for best stability. • Laptop machines with dual-core processors not currently supported. • Macbook Air 2021 laptops can be used with Solstice Conference; however, older Macbook Air laptops are not currently supported.
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If you are using a 4K laptop, Mersive recommends scaling your screen resolution down to 1080p when using Solstice Conference.

Supported Conferencing Services

The table below shows a list of supported video conferencing services on Windows and macOS laptops based on Mersive's latest testing. Services listed as "browser-based version only" support fully Solstice Conference functionality, including the ability to share the Solstice display to remote users in the video conference, only in the online version of that video conferencing service accessed via a supported web browser*.



For best compatibility, check that your video conferencing app is updated to the latest version.

	Windows	macOS	Notes
Zoom	Full	Full	
Teams	Full	Browser-based version only*	Microsoft will fix 3rd-party support.
Webex	Browser-based version only*	Browser-based version only*	Windows: To share display, select Pod name.
GoToMeeting/LogMeIn	Full	Full	
Blue Jeans	Full	Partial	Windows: To share display, use browser app.
Google Meet	Full	Full	

Chime	Full	Partial	Windows: To share display, use browser app.
RingCentral	Full	RingCentral Video online (browser-based) only*	RingCentral Meetings was retired by RingCentral. Mersive is working to add RingCentral app support on macOS.
Slack	Full	Browser-based version only*	

*Chrome, Firefox, Microsoft Edge, and Safari browsers supported

How to Use Solstice Conference

These instructions outline steps for meeting hosts to use Solstice Conference to connect their video conference to Solstice content sharing and USB peripherals.

Scheduled Conferences vs Unscheduled Conferences

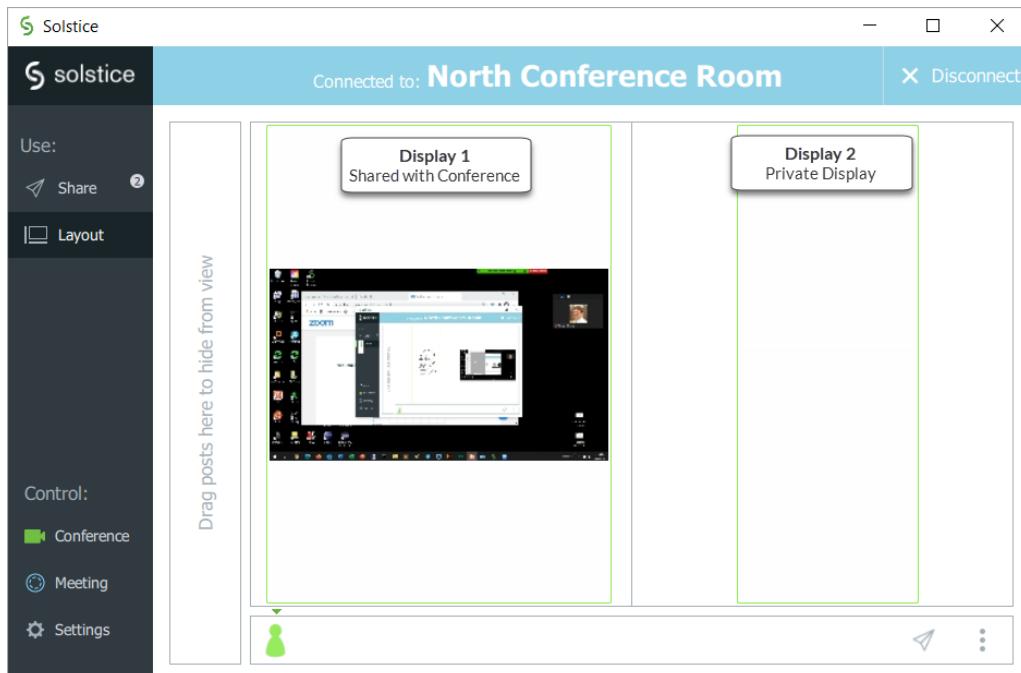
Scheduled video conferences appear in advance on either on a room calendar integrated with the Solstice Pod or on a personal calendar integrated in the Mersive Solstice app. The details for the conference – meeting ID, passcode, URL, etc. – must be included in the body of the scheduled event. Integrating a room or personal calendar, along with Solstice Pod configuration, enables one-step starts for Solstice-connected video conferences. See [Launch a Scheduled Video Conference](#) for more details. Mersive recommends enabling one-step starts for video conferences for the best user experience.

The Mersive Solstice app can connect Solstice content sharing and Pod-connected room peripherals to a video conference not previously scheduled on an integrated calendar. In this scenario, the video conference needs to be started separately using the host's preferred conferencing service. See [Bridge an In-progress Meeting to Solstice Conference](#) for more details.

Using Solstice Conference with Dual Displays

If the Pod is using dual display monitors, the display shared to the conference will be the display connected to HDMI 1 of the Pod. The screen connected to HDMI 2 will be visible to participants in the room but will not be shared as part of the conference. In the Mersive Solstice app layout screen, the display shared with the conference is the screen on the left.

Example Dual Screen Layout in Mersive Solstice App

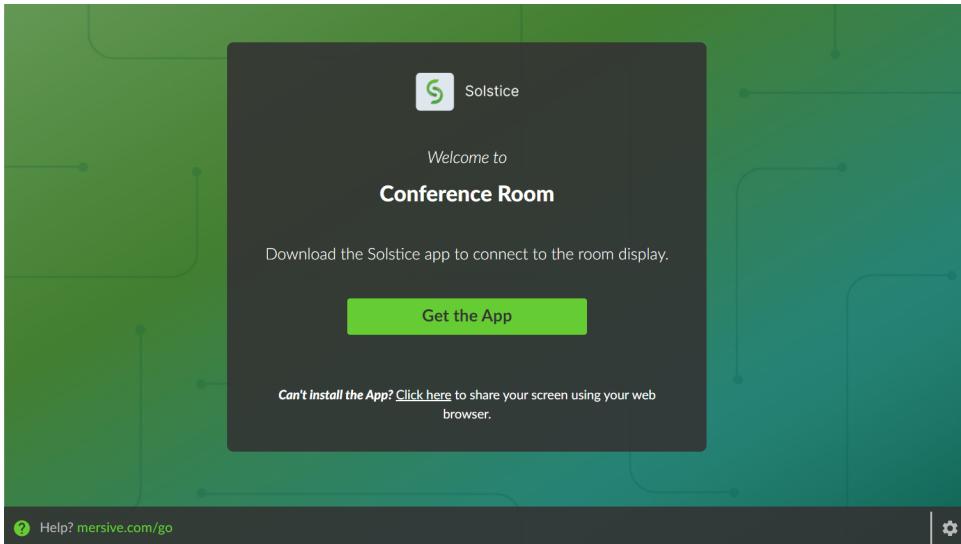


How To

Install Mersive Solstice App and Solstice Conference

Follow the steps below to download and install the Mersive Solstice app with Solstice Conference directly from a Solstice Pod.

1. Open a browser on your laptop device and enter the IP address visible on the Solstice display. This opens the Solstice Quick Connect page:



2. Click **Get the App**.



Admin permissions are not required to install the Mersive Solstice app. However, elevated permissions are required to install the Solstice Conference drivers needed to share the Solstice display with a video conference.

3. On a Windows laptop:
 - a. The Solstice app installer (SolsticeClientWin.exe) will download.
 - b. When the download is complete, open the file to install the Mersive Solstice app. Once installed, the Mersive Solstice app will open automatically.
 - c. To install Solstice Conference capabilities, go to Conference tab and click **Install**.
 - d. Walk through the InstallShield wizard to install Solstice Conference.
4. If you are on an Android or iOS mobile device, the appropriate app marketplace will open and display the Mersive Solstice app available for download.



Mobile devices are not Solstice Conference capable. Solstice wireless content sharing and [Solstice Ink annotation](#) are available on Android and iOS versions of the Mersive Solstice app.

Enable Solstice Desktop Sharing on macOS

Depending on your macOS security settings, you may need to give the Mersive Solstice app permission to record your desktop to be able to share it to the Solstice display. Follow the directions below to ensure the necessary permissions have been set before using Solstice Conference.

1. Open your Mersive Solstice app and connect to a Solstice display.
2. On the **Share** panel, click **Desktop**. If desktop sharing permission is needed, a message will appear with brief directions for enabling it.
3. Open **System Preferences** from the Dock or the Apple menu, then select **Security & Privacy**.

4. Go to the Privacy tab and select **Screen Recording** from the list on the left.

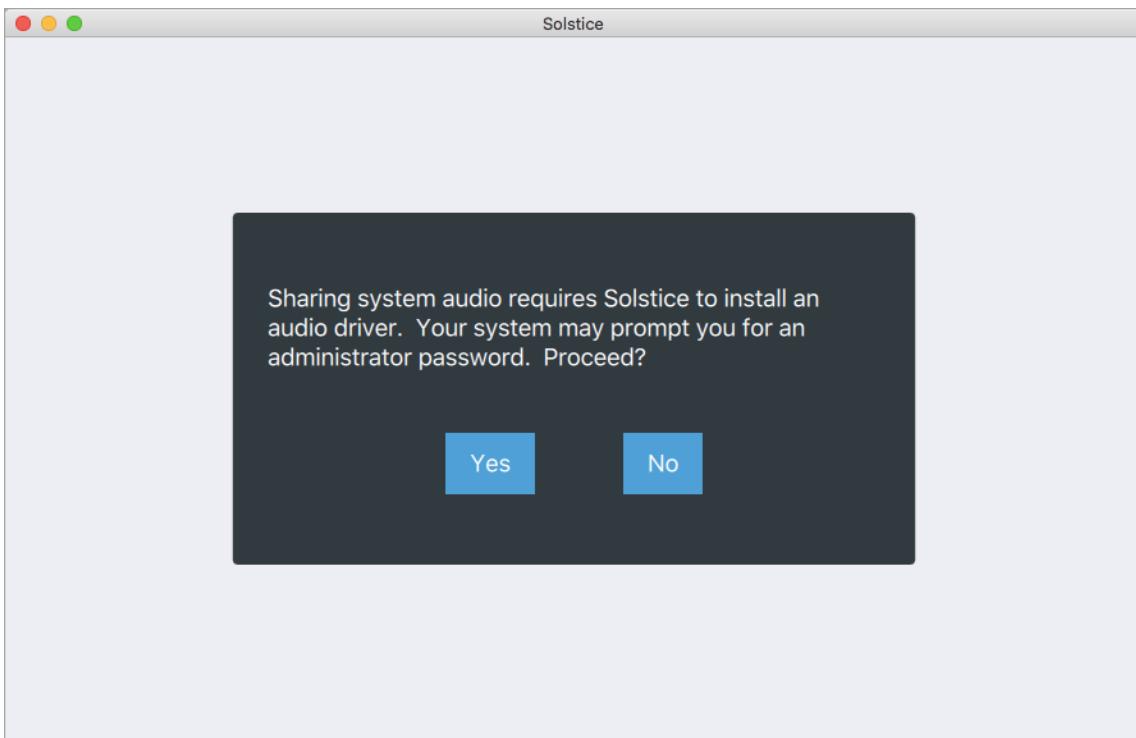


5. If needed, click the lock icon in the lower left and enter the password to change permissions on your Mac.
6. If the **Mersive Solstice** app appears on the right, check the box next to it to give it permission to share your desktop to a Solstice display. Then skip to step 8.
7. If Mersive Solstice does not appear in the allowed apps list on the right, do the following:
 - a. Click the + button below the apps list.
 - b. Navigate to the location of the Mersive Solstice app.
 - c. Select **Mersive Solstice** and click **Open** to add it to the apps list. It should be automatically given screen recording permission.
8. When Mersive Solstice has been checked, you will be prompted to **Quit & Reopen** to restart the Mersive Solstice app so the change will take effect.

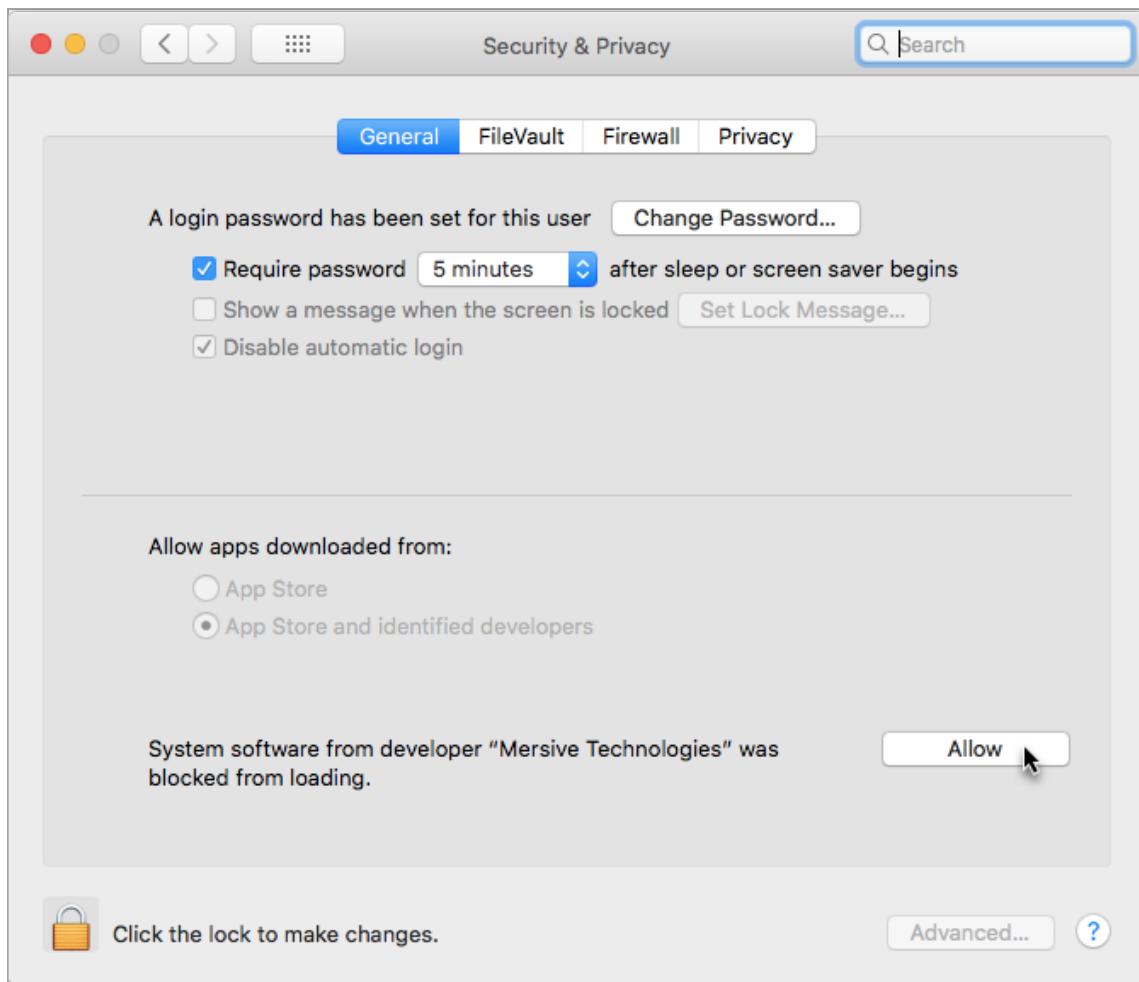
| Enable Audio for Desktop Sharing on macOS

Depending on your macOS security settings, you may need to enable desktop audio access for the Mersive Solstice app in order to access the full Solstice content sharing functionality.

1. Open your Mersive Solstice app and connect to a Solstice display.
2. On the **Share** panel, click **Desktop**. The Mersive Solstice app will minimize. Click **Sharing Desktop** at the top of your screen to show the app window.
3. If **Auto share audio** is enabled in **Settings > Control**, audio sharing should be turned on automatically. If the speaker icon after the name of the connected Solstice display appears gray with a red slash, click the icon to turn on audio sharing.
4. In the prompt that appears, click **Yes**.

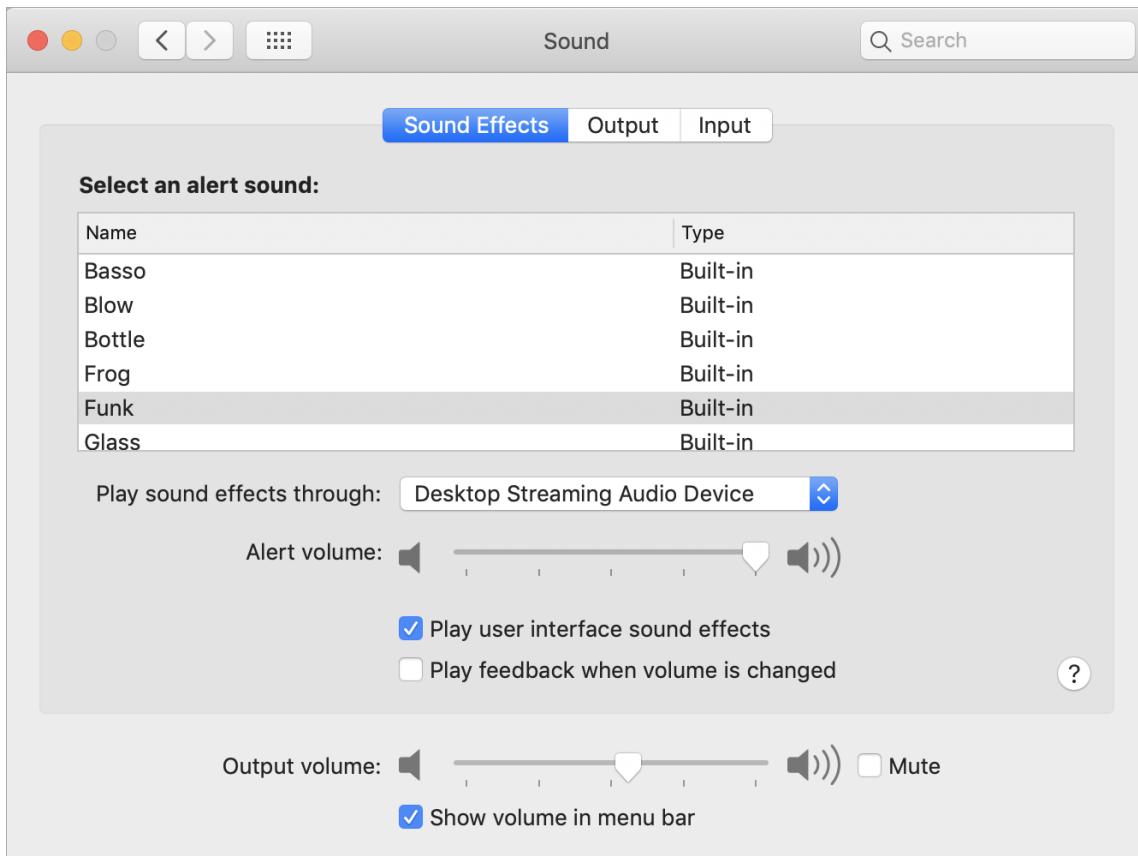


5. If needed, enter your admin password and click **OK**. A System Extension Blocked pop-up should then appear.
6. Click **Open Security Preferences** to open the Security & Privacy settings.
7. Next to 'System software from developer "Mersive Technologies" was blocked from loading', click **Allow**.



8. Open **System Preferences** > **Sound**.
9. From the **Play sound effects through** drop-down, select **Desktop Streaming Audio Device**.

10. Check the **Show volume in menu bar** option.



11. Go back to the Mersive Solstice app, stop sharing, and click **Disconnect**.
12. Reconnect to the Solstice display, then share your desktop. Audio will automatically be streamed to the in-room display.



If your desktop audio isn't streaming to the display, make sure the speaker icon after the connected display name in your Solstice app isn't turned off (gray with a red slash), and that Desktop Streaming Audio Device is selected from your Mac's Volume control.

Integrate Your Personal Microsoft 365 Calendar

When you integrate your Microsoft 365 calendar with your Mersive Solstice app, Solstice can automatically launch video conferences scheduled on your personal calendar when you connect to a Solstice display. Calendar integration and Solstice Conference capabilities are supported on Windows and macOS only. Solstice Conference drivers (available on Windows and macOS only) must be installed with the Mersive Solstice app to this capability.

When integrating your calendar, you will be prompted to sign into your Microsoft 365 account using the secure Microsoft Graph API OAuth2 authorization flow. Microsoft will present you with the option to grant Solstice read-only access to your calendar. This allows the Solstice App to read video conference information (URL, meeting ID, passcode, etc.) in the body of upcoming meetings to enable a one-step start for scheduled video conferences.

1. In the Mersive Solstice app, click **Settings** > **Conference**.
2. In the **Calendar integration** section, click **Sign in with Microsoft**. The Microsoft Online login page will open in a web browser.
3. Enter your Microsoft 365 login credentials and sign in. If successful, the browser will display a "Success" message.
4. Close the browser and return to your Mersive Solstice app.



If you are unable to save your Microsoft 365 credentials and are prompted to re-enter them each time you launch the Solstice app, the Credential Manager service in Windows may have been disabled by your IT team.

5. If you wish to disconnect your Microsoft 365 calendar at any time, go back to **Settings** > **Conference** > **Calendar integration** and click **Sign out**.



If your Microsoft 365 calendar is authenticated with Azure AD, your IT administrator may need to grant admin consent for the Solstice user app in the [Azure Active Directory app registrations](#).

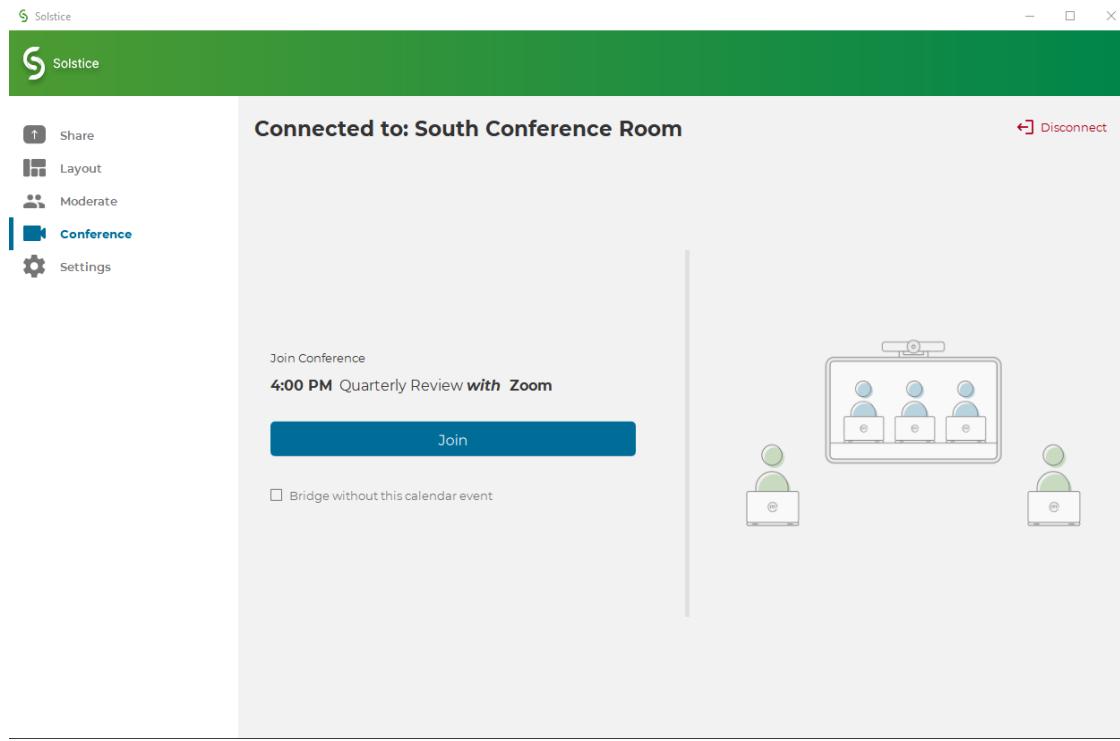


For more information on how to set up an integrated room calendar for a Solstice-enabled workspace, which enables the Solstice display to show and interact with meetings scheduled for the space, see [Solstice Cloud: Calendar Template](#).

Launch a Scheduled Video Conference

1. Launch the Mersive Solstice app on your laptop.
2. Connect to the Solstice display by clicking on the display name. If prompted, enter in the 4-digit screen key listed on the display.

- Once connected, go to the **Conference** tab in your Solstice app.



- Click **Join**. Once the process begins:

- Any USB audio and video peripherals plugged into the Solstice Pod will be made wirelessly available to the video conferencing app.
- If a calendar entry was recognized as a video conference, the conferencing application will launch and start the appropriate meeting. Some video conferencing applications may require an additional step to launch the meeting.



If conflicting video conferences are scheduled simultaneously in the meeting host's personal calendar integrated with the Mersive Solstice app, the app will display and start the conference hosted by the calendar owner, or the event that was scheduled first.

- Your desktop will be shared to the connected Solstice display.

- Once you have joined your video conference, you can select the available camera, microphone, and speaker devices as audio and video resources in the video conferencing app.
- To share the Solstice display to remote attendees, select the Solstice Conference virtual monitor from the sharing options within the video conferencing application. The Solstice display usually appears as **Screen 2**.



If the Pod is configured with dual display monitors, see [Using Solstice Conference with Dual Displays](#) for information about which display screen will be shared with the video conference.

7. After you have ended the video conference and exited the video conferencing app, click **Disconnect** in the upper right of the app window to stop sharing the Solstice display and disconnect from the Solstice Pod.

Connect to an Unscheduled Meeting in Solstice Conference

Solstice Conference can also support video conferences that have not been previously scheduled on a personal calendar integrated into the Mersive Solstice app or on a room calendar integrated with the Solstice Pod. The directions below explain how to connect Solstice content sharing and room devices connected to the Solstice Pod with unscheduled and in-progress video conferences.

1. Either before or after starting the video conference in the conferencing app, launch the Mersive Solstice app on your laptop.
2. Connect to a Solstice display by clicking on the display name. Enter the 4-digit screen key listed on the display if prompted to do so.
3. Once connected, go to the **Conference** tab in your Solstice app.
4. If a conflicting meeting appears on the room calendar integrated with the Solstice Pod, check **Bridge without this calendar event**. If this option is not selected, Solstice will auto-launch a video conference on the room calendar starting within 15 minutes.
5. Click **Start**.
6. Once the video conference connection (Solstice Conference) has been started, any USB audio and video peripherals plugged into the Solstice Pod will be made wirelessly available to the video conferencing app.
7. To share the Solstice display to remote attendees, select the Solstice Conference virtual monitor from the sharing options within the video conferencing application. The Solstice display usually appears as **Screen 2**.



If the Pod is configured with dual display monitors, see [Using Solstice Conference with Dual Displays](#) for information about which display screen will be shared with the video conference.

8. After you have ended the video conference and exited the video conferencing app, click **Disconnect** in the upper right of the app window to stop sharing the Solstice display and disconnect from the Solstice Pod.

End Your Meeting and Disconnect from Solstice

As the host, when your meeting is finished you will need to end your video conference and disconnect from Solstice. Here are some ways you can disconnect from Solstice:

- Click **Disconnect** in the top right of the Mersive Solstice app window. You will be prompted to confirm that you want to disconnect from the display.
- Close the Mersive Solstice app window:
 - On a laptop, click the Close 'X' icon. You will be asked if you wish to disconnect from the display and stop sharing all content. If so, click **Disconnect**.
 - On a mobile device, close the app window and Solstice will automatically disconnect the device from the display.
- Starting in Solstice version 5.4, when Solstice Location Service is enabled (Settings > Control), an auto-disconnect is also available. After learning the location of a Solstice Pod, the Mersive Solstice app can detect your device leaving the meeting area while still connected to the Pod and may prompt you to disconnect (currently supported on Windows, macOS, and Android).

When the auto-disconnect prompt appears, you may do one of the following:

- Click **Disconnect** to immediately disconnect from the Solstice Pod.
- Click **Cancel** to dismiss the auto-disconnect prompt. You will not be prompted to disconnect again for that connection.
- Allow the 10-second countdown to complete to let Solstice automatically disconnect you.



Use the menu under the Solstice Location Service setting to turn on auto-disconnect and adjust the sensitivity that location services will use to automatically disconnect the device from the Solstice Pod. Location Services must also be enabled on the Pod to use this functionality.



Auto-disconnect sensitivity is dependent on the WiFi signal strength in the meeting space. Mersive recommends starting with a value of **Low** or **Normal**. If needed, ask your IT department for more information about WiFi strength in your Solstice-enabled meeting space and how it might affect auto-disconnect functionality.



When using Solstice Conference, remember to also end your video conference in your conferencing app.

FAQ

Why can't I minimize or close my Mersive Solstice app window?

Your Mersive Solstice app might be docked to your system tray. To remove this setting and regain controls for the app window, right click the Solstice icon in your system tray and deselect **Dock to system tray**.

I'm hosting a meeting, and Solstice keeps reminding me that I'm sharing a post to a display. How can I turn this off?

To limit Solstice notifications, open your Solstice desktop app, then go to **Settings**. Under **General > Notifications**, select either **None** or **Critical**, depending on your notification preferences.



Notification settings also control notifications for Solstice Conference. Selecting **None** will turn off performance and compatibility notifications for Solstice Conference.

Why does the Solstice display show as Screen 3 in my video conferencing application?

This may be the case if your laptop is configured to have additional virtual desktops. Mersive strongly advises against using additional virtual desktops alongside Solstice Conference.

Why I'm seeing a mirroring effect when I use Solstice Conference on a Mac laptop?

On macOS, a "hall of mirrors" visual effect may appear when using Solstice Conference if the Conference drivers are not loading correctly. Open **Security & Privacy** settings and check the make sure you have allowed drivers from Mersive.

Why does changing virtual display settings with Solstice Conference create a "hall of mirrors" on my Mac?

On macOS, when the Solstice Conference virtual monitor is set as the primary display, a known issue exists in Solstice 5.4 that causes a video effect that resembles a hall of mirrors. Once the issue has been triggered, the Solstice Conference drivers often must be uninstalled and reinstalled to resolve it.

Mersive strongly recommends not accessing the display settings while using Solstice Conference to avoid this issue. For help uninstalling and reinstalling Conference drivers, contact [Mersive Support](#).

Why is the Solstice user app failing to share my desktop and app windows on my Windows laptop with dual graphics cards?

In the Mersive Solstice app version 5.4 on Windows laptops with dual graphics cards, an issue has been reported that manually setting the dedicated graphics card as primary can prevent the app from successfully sharing the user's Desktop and App Windows. In this case, a sharing error may appear in the Mersive Solstice app; Media File sharing is usually successful. This issue can usually be resolved by changing the Windows and/or graphics card settings to allow the graphics processor to be automatically selected.

Why does my Pod with digital signage enabled spontaneously reboot after being used for Solstice Conference?

For Solstice Pods running digital signage feeds that are also used regularly for Solstice Conference, a known issue exists in Solstice 5.4 that occasionally causes Solstice to become unstable and the Pod to spontaneously reboot. Mersive recommends that Pods experiencing this issue be configured to perform a daily reboot, which should avoid spontaneous restarts. A Solstice admin can enable Daily Reboots in the [Solstice Cloud > Advanced](#) settings.

Share Content Using the Mersive Solstice App

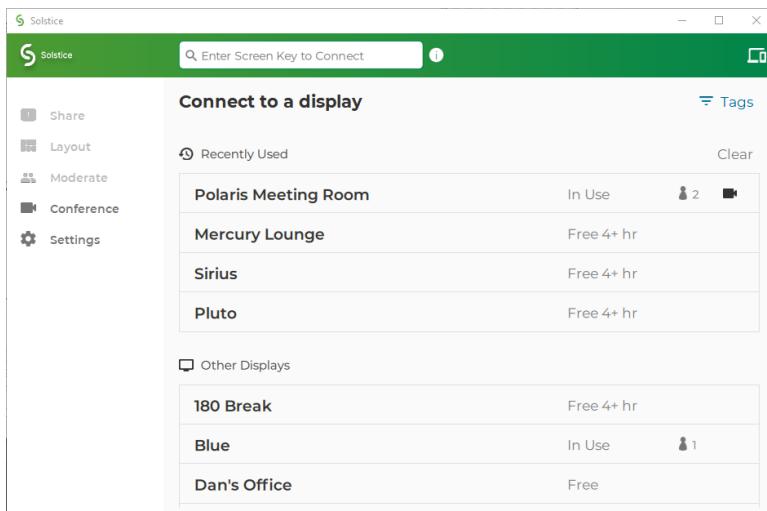
Solstice improves meeting productivity and engagement with multi-participant content sharing, control, and markup. With the Mersive Solstice app installed on a laptop, tablet, or mobile device, users can share and control content on the display connected to a Solstice Pod.

Users can also choose to use one of many [app-free sharing options](#) supported by Solstice to share to the Solstice display.

How to Connect to a Solstice Display

Ensure you are connected to a network listed on the display's Welcome Screen, then connect to the Solstice display to share content:

1. Open the Mersive Solstice app. A list of Solstice displays you have previously connected to or that are available via display discovery (if enabled for your Solstice deployment) will appear.



2. Click the name of a Solstice display to connect.
3. To find a specific display in the list:
 - Search by name in the search bar.
 - Click **Tags** to filter the list of displays by assigned tags (Enterprise Edition only).
4. If prompted, enter the screen key that appears on the display.
5. For deployments that use Solstice Discovery Service (SDS), you may enter the 4-digit screen key on the Solstice display in the search bar at the top of the app window to connect in one step. The URL that appears on the Solstice display can always be entered in the search bar to start a connection.
6. By default, the you will join the collaboration session with full media posting and control rights.

How to Share Content Using the Solstice App on a Laptop

In the **Share** tab of the Mersive Solstice desktop app, you can wirelessly share an unlimited amount of content to the Solstice display using any of the following options. Note that the content shared to Solstice will never leave your device, only pixels will be streamed to the display.

- **Desktop:** Share a real-time view of your desktop mirrored to the display. The entire desktop, including any open application windows, will be shared in real-time.



To stop sharing audio with a Desktop share, click the speaker icon after the connected display name to appear with a red slash (off). If you are sharing desktop audio on a Mac, you may need to take additional setup steps to enable it. See [Enable Audio for Desktop Sharing on macOS](#) for more information.

- **App Window:** Share a real-time view of only the selected application window to the display. This sharing option allows you to maintain privacy by only sharing a single application instead of everything on your desktop.
- **Media File:** Share media files such as images and videos saved locally on your laptop device to the display. Solstice supports image and video files up to 4K resolution.



Solstice supports sharing a broad range of video types, but not all video files are supported. If a video file is not supported, you can use the Desktop sharing option to stream the video to the display.

When sharing your desktop, the Mersive Solstice app window will be hidden by default. Click **Sharing Desktop** at the top of your screen to show it again. You can also click **Stop Sharing** to quickly stop sharing your desktop.



If text options, such as **Settings** or **Share**, do not appear in the left navbar of the Mersive Solstice app on a laptop, icon-only navigation may be enabled. Click the Solstice logo in the upper left of the app window to turn text navigation options back on.

How to Share Content Using the Solstice App on a Mobile Device

On the Share tab of the Mersive Solstice mobile app, you can wirelessly share an unlimited amount of content to the Solstice display using the following options. Note that the content shared to Solstice will never leave your device, only pixels will be streamed to the display.

- **Mirror Screen:** Share a real-time view of your mobile device screen. Tap the speaker icon after the connected Solstice display name to capture audio along with screen mirroring.



The Solstice app for Android versions 5.4 and higher support audio capture with screen mirroring on Android devices running Android 10 and up. Some apps may block audio capture, preventing the Solstice app from streaming their audio.

- **Media File:** Share media files such as images and videos from your mobile device's media library.
- **Camera:** Take a picture with your mobile device and share it to the display.
- **Take Video:** Take a video with your mobile device and share it to the display.



To share media files, pictures, and videos, be sure to grant permissions for the Mersive Solstice app to access your mobile device's media files, camera, and microphone.

How to End Your Meeting and Disconnect from Solstice

When you are ready to finish your collaboration session, disconnect from Solstice. There are a number of ways to disconnect from a Solstice display:

- Click **Disconnect** in the top right of the Mersive Solstice app window. You will be prompted to confirm that you want to disconnect from the display.
- Close the Mersive Solstice app window:
 - On a laptop, click the Close 'X' icon. You will be asked if you wish to disconnect from the display and stop sharing all content. If so, click **Disconnect**.
 - On a mobile device, close the app window and Solstice will automatically disconnect the device from the display.
- Starting in Solstice version 5.4, when Solstice Location Service is enabled (Settings > Control), an auto-disconnect is also available. After learning the location of a Solstice Pod, the Mersive Solstice app can detect your device leaving the meeting area while still connected to the Pod and may prompt you to disconnect (currently supported on Windows, macOS, and Android). When the auto-disconnect prompt appears, you may do one of the following:
 - Click **Disconnect** to immediately disconnect from the Solstice Pod.
 - Click **Cancel** to dismiss the auto-disconnect prompt. You will not be prompted to disconnect again for that connection.
 - Allow the 10-second countdown to complete to let Solstice automatically disconnect you.



Use the menu under the Solstice Location Service setting to turn on auto-disconnect and adjust the sensitivity that location services will use to automatically disconnect the device from the Solstice Pod. Location Services must also be enabled on the Pod to use this functionality.



Auto-disconnect sensitivity is dependent on the WiFi signal strength in the meeting space. Mersive recommends starting with a value of **Low** or **Normal**. If needed, ask your IT department for more information about WiFi strength in your Solstice-enabled meeting space and how it might affect auto-disconnect functionality.



When using Solstice Conference, remember to also end your video conference in your conferencing app.

App-Free Sharing to a Solstice Display

Solstice supports multiple app-free sharing options so that users can share their device screen to the Solstice display without needing to install the Mersive Solstice app. This enables guest and occasional users to quickly share content in a Solstice room. Solstice supports app-free sharing using AirPlay, Miracast, browser-based sharing, or a standard HDMI connection.

How to Mirror Your iOS Device Screen Using AirPlay

Solstice supports full mirroring of iOS 7+ devices (Apple iPhones and iPads) that feature Apple's AirPlay functionality. AirPlay mirroring is accomplished through the device's native AirPlay feature, using a similar process as connecting to an Apple TV.



If you are unable to mirror your iOS device using AirPlay, contact your IT administrator to see if AirPlay mirroring is enabled for the Solstice display.

1. Ensure the iOS device is connected to the WiFi network used to connect to the Solstice display.
2. Open the iOS Control Center:
 - On an iPhone X or later, or an iPad with iPadOS 13 or later, swipe down from the upper-right corner of the screen.
 - On an iPhone 8 or earlier or iOS 11 or earlier, swipe up from the bottom of the screen.
3. Tap the **Screen Mirroring** icon and select the Solstice display from the list that appears. If the desired Solstice display does not appear in the AirPlay menu of your device, open the Mersive Solstice app and connect to the desired display, then repeat steps 2 and 3.
4. If prompted for an AirPlay code, enter the 4-digit screen key visible on the Solstice display. Your device will connect wirelessly to the display and your screen will be streamed in real-time.
5. To stop mirroring your screen to the display:
 - a. Open the iOS Control Center again.
 - b. Tap the Screen Mirroring icon for the connected Pod.
 - c. Tap **Stop Mirroring**.



An AirPlay option may also appear when viewing photos or videos in iOS. Photos and videos shared via AirPlay generally appear full screen on the Solstice display.

How to Mirror Your macOS Device Screen Using AirPlay

If your organization has enabled streaming with AirPlay, users without the Mersive Solstice app can connect and share their screen to the display using AirPlay capabilities on macOS devices (High Sierra and later). AirPlay mirroring is accomplished through a device's native AirPlay feature, using a process similar to connecting to an Apple TV.



If you are unable to mirror your macOS device using AirPlay, contact your IT administrator to make sure that AirPlay mirroring is enabled for the Solstice display.

1. Ensure the macOS device is connected to the WiFi network used to connect to the Solstice display.
2. From the top menu bar, either select the **AirPlay** icon or open the Control Panel from the top bar and select **Screen Mirroring**. Then select the desired Solstice display.
3. If prompted for an AirPlay code, enter the 4-digit screen key visible on the Solstice display. Your device will connect wirelessly to the display and your screen will be streamed in real-time.
4. To stop mirroring your screen to the display, select either the **AirPlay** icon or **Control Panel > Screen Mirroring** from the menu bar. This will show the active AirPlay connection. Select the name of the Solstice display to disconnect.

How to Mirror Your Windows Device Screen Using Miracast

Users without the Mersive Solstice app can connect and share their screen to the display using Miracast capabilities on their Windows device. If you are unable to Miracast to the display, contact your IT administrator to make sure that Miracast is enabled for the Solstice display.

1. On a Windows 10 laptop, use **Windows key + K** or click the **Connect** button in the Windows notification center (found on the far right end of taskbar) to open the Connect pane.
2. From the list of wireless displays available, select the Solstice display. If the display is enabled for Miracast but you do not see it in the list of available displays, try scrolling down to ensure it is not hidden.



Turning Miracast WiFi Direct off and back on in quick succession for a Solstice Pod may result in it temporarily appearing multiple times in the Windows Connect and Wi-Fi connection panels. To resolve this issue, refresh the list of available Miracast WFD devices by turning Wi-Fi off on and back on for affected Windows devices.

3. If prompted for a PIN, enter the screen key from the display. Your device will connect wirelessly

to the display and your screen will be streamed in real-time.

4. To stop Miracast streaming to the display, open the Connect pane and click **Disconnect**.

How to Share Your Desktop Using a Web Browser

Guest users or users who aren't able to download the Mersive Solstice app may also connect and share to Solstice using a web browser on a laptop computer. This functionality is supported on Windows, macOS, Chromebook, and Linux laptops.

See the compatibility chart below for more details on which web browsers are supported for browser-based sharing on your laptop. Note that available sharing options (e.g. desktop sharing, application window sharing) vary by browser.

Find Browser Support by Operating System

Operating System	Web Browsers Supported for Browser-based Sharing	Notes
Windows 8/10	Firefox, Chrome, Microsoft Edge	<ul style="list-style-type: none">On Google Chrome and Microsoft Edge browsers, audio streaming is supported for the desktop and browser tab sharing options only. You must check "Share Audio" <u>before</u> sharing.
macOS Catalina, Big Sur	Firefox, Chrome, Safari 13 or 14	<ul style="list-style-type: none">Audio streaming is supported for the browser tab sharing options on Google Chrome browsers only. You must check "Share Audio" <u>before</u> sharing.Browser-based sharing is only available for Safari users if the Solstice Pod has a DNS hostname configured.
ChromeOS	Firefox, Chrome	
Linux	Firefox, Chrome	

1. Connect your laptop to a network listed on the Solstice display.
2. Open a Chrome or Firefox web browser and go to the URL on the display. If multiple URLs are listed, choose the one that corresponds to the same network you're connected to.

3. Click the link to share using your web browser.



Don't see a link on your browser for sharing your screen? Your IT administrator may need to enable this feature for the Solstice Pod display.

4. If you see a security warning in your browser, follow the option to proceed to the URL. This may appear under **Advanced** in some browsers.
5. Enter the screen key shown on the room display (if prompted) and your name, then click **Launch**.
6. Select the sharing option you wish to use. For example, you may be presented with options to share your entire screen, an application window, or a browser tab, as well as whether to share audio.
7. Click to **Share** or **Allow** to share the selected content to the Solstice display.



If you are on the Catalina version of macOS and are having trouble using browser-based sharing, you may need to enable permissions within your system's privacy settings for the browser to utilize screen recording.

How to Share Your Desktop via HDMI

Gen3 Solstice Pods offer the option for users to use an HDMI cable to connect a laptop directly to the HDMI-in port on the front of the Pod. This allows users to share a wired content source to the display. The wired desktop share will appear in the collaboration session like any other post, and can be controlled by users in the session with the Mersive Solstice app.

Control Shared Content on the Solstice Display

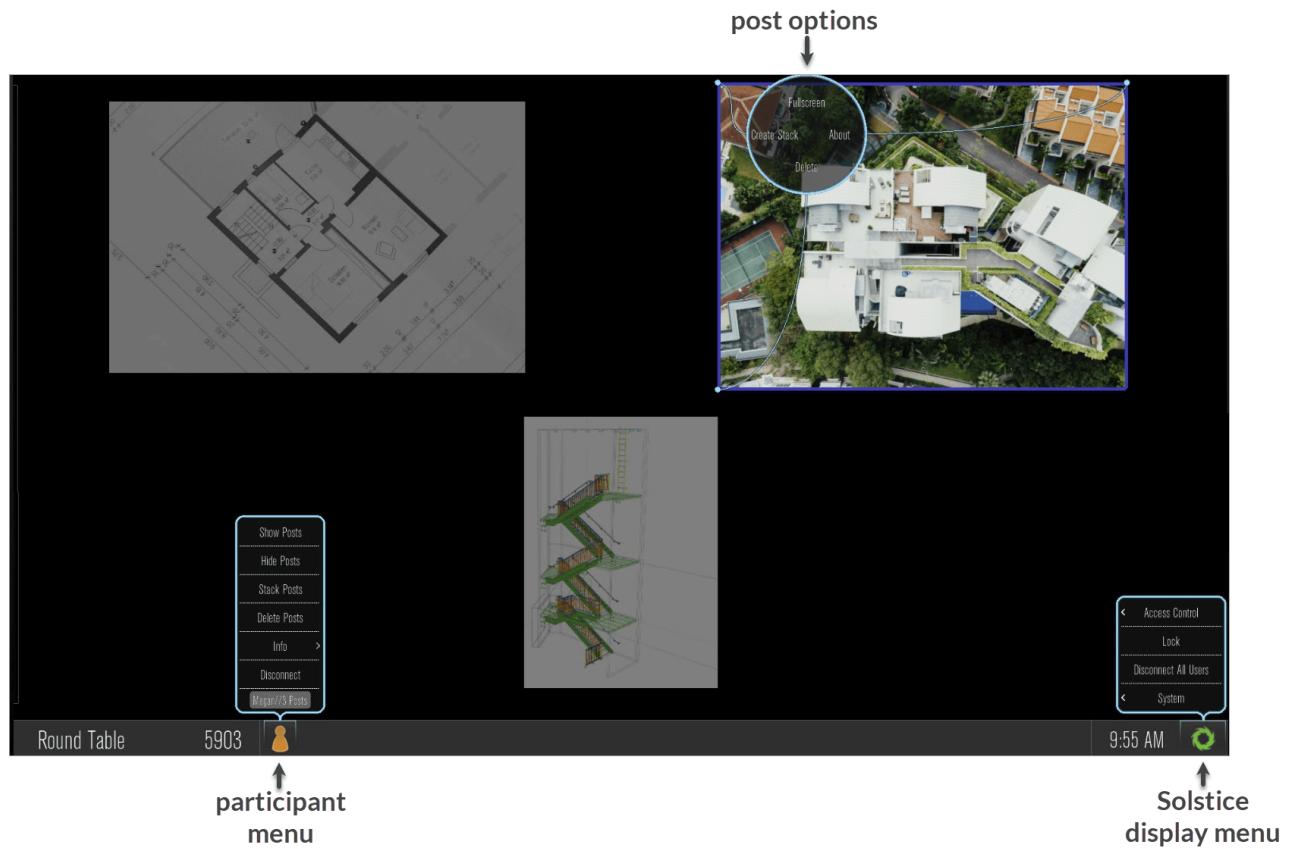
There are multiple ways to control content shared to a Solstice display and how it appears on the display in the Layout tab of the Mersive Solstice app. Any user connected to the session can control the content layout.



All the controls described below can also be performed on HID-compliant touch displays using equivalent touch gestures.

- Drag and drop posts to change the order of the content, or to hide/display content by moving it into and out of the dock panel on the left side of the display.
- Click-and-hold or right-click on a post to view options to make the post full screen, view post details, or delete the post.
- You can also click-and-hold or right-click on a post to create a stack, which acts as a virtual folder. Right-click or click-and-hold a stack for options to unstack the posts or edit which posts are in the stack.
- Pinch to zoom posts on touch-enabled devices.
- Control videos posted to the display with the Solstice video player. The Solstice video player functions similarly to other video players, with play/pause buttons, volume control, and loop options. To view the video player controls, click the camera icon in the lower right corner of the video post.
- Click a participant icon to access the participant menu. This menu gives you options to show, hide, stack, or delete the participant's posts, as well as disconnect the participant from the collaboration session.
- Click the vertical ellipsis icon to view the media placement menu. This menu allows you to align posts to a grid and quickly move all posts on or off the screen.

- If you have a USB mouse connected to the Solstice Pod or host laptop, or if you have a touch-screen display, you can interact with the display interface directly to control content.



Solstice Ink

Available in the mobile version of the Mersive Solstice app (iOS and Android), Solstice Ink allows users to highlight and temporarily mark up content on the Solstice display from anywhere in the room by simply pointing and drawing with their smartphones. This feature is also supported in moderator mode, but it is not supported on tablets.



Ink has three modes of use:

- **Pointer:** By default when you select **Ink** from the mobile app's menu bar, your mobile device will be in pointer mode. Simply move your device to move the pointer on the Solstice display.
- **Ping:** Tap the **Ping** button to pulse the pointer. Slide your finger from the button toward the center red dot for a continuous pulse. Tap **Ping** again to stop continuous pulse.
- **Temporary mark-up:** Press and hold the **Draw** button to draw a mark, such as a circle, on the Solstice display. Release the Draw button once you are done. Solstice will smooth out your mark after you have finishing drawing it, and the mark will fade away after a short amount of time.

In Ink, swipe left and right to move between Draw and Ping mode. To exit Ink, simply tap another option in the bottom menu bar of the app.