

Solstice Conference Checklist

With Solstice Conference, the Solstice Pod is transformed into a video conferencing room system that delivers rich content sharing to remote participants and supports touchless, agnostic conferencing for any meeting or learning space by providing wireless connectivity between user laptops and room audio/video devices.

As a new category of room system that does not burden a room design with single-purpose dedicated hardware, Solstice Conference is far more versatile and cost effective but does have some specific prerequisites to ensure a high-quality conferencing experience. This document outlines those specifications and requirements of the various system components—host laptop, local area network, and audio/video peripherals—most of which are consistent with current best practice IT methodologies.

Host Laptop Requirements

- Windows laptop that meets the following requirements:

Operating System	Windows 10 version 1903 or later
Recommended Specs	Intel i7 processor; 16GB memory; processor speed of 1.8 GHz/min or better.
Minimum Specs	Intel i5 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 machines with dual-core processors not currently supported.• Microsoft Surface devices and similar tablet-like devices are not currently supported.



Tip: To check your laptop specs, open Command Prompt, enter “dxdiag”, then run.

- MacOS laptop that meets the following requirements:

Operating System	Catalina 10.15 or later
Recommended Specs	MacBook Pro 2019 or newer
Minimum Specs	MacBook 2018 or newer
Important Notes	<ul style="list-style-type: none">• 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.



If you are using a 4K laptop, Mersive recommends scaling your screen resolution down to 1080p when using Solstice Conference.

- Administrative laptop permissions are required to install Solstice app drivers for SolsticeConference; the latest version of the Solstice app should be installed from mersive.com/download.
- If laptop security software (e.g. anti-virus, mobile device management services, etc.) prevents normal operation of some applications, the Solstice app and drivers should be whitelisted.
- Screen resolution of 4K laptops should be scaled down to 1080p to use Solstice Conference.
- Additional monitors should not be attached to the host laptop while using Solstice Conference.
- Installed conferencing applications (Zoom, Teams, etc.) should be updated to the latest versions.

Local Area Network Requirements

- Pod must be connected to the host network via Ethernet.
- Connections between host laptop and Pod should have end-to-end latency of 50ms or less.
- Up to 80mpbs of peak bandwidth on the local area network required per active Solstice Conference session/room.



Solstice Conference does not require any additional internet bandwidth beyond what is needed for your video conferencing services.

- Ensure the following network ports are open: Default base ports +17 (e.g. If 53100-53102 are the configured base ports, open TCP ports 53100-53119). As a note, UDP traffic will need to be enabled for TCP ports 53107-53117 as Solstice will pass UDP packets through these ports. For more information on all of Solstice's open network port requirements, see [Open Network Ports](#).

Solstice System Requirements

- Gen3 Pod with current Solstice Subscription or Active Learning Subscription required.
- Solstice Conference should be enabled from the Solstice Cloud portal (or Dashboard).
- The latest version of Solstice should be installed. Check mersive.com/download for latest version.
- Solstice Discovery Service (SDS) is required to utilize the one-step meeting start.
- Integration of room calendar strongly recommended for ideal user experience.

Audio/Video Peripheral Requirements

- Compatible peripherals from this list should be used with latest firmware update installed.
- Audio and video devices must be connected to Pod via USB.



DSPs and other processing hubs may not be compatible; please refer to Mersive's list of compatible peripherals.

- Peripheral power supplies should be used when available; Mersive does not recommend powering peripherals via the USB connection to the Pod.

Limitations

- Level of local area network bandwidth required is largely dictated by a combination of conferencing application and video camera used.

Resolution: Use lower resolution cameras if local area network bandwidth is limited.

- Audio crackling, degradation of streaming quality, and other performance issues may occur when the Pod is under high resource utilization.

Resolution: Reduce number of shares, video content shared, and/or use lower resolution cameras if system performance issues occur.

- PowerPoint should be started prior to initiating a Solstice Conference session if users want to share using PowerPoint's presentation mode.

Resolution: If PowerPoint is started after the Solstice Conference session begins, use PowerPoint's option to "swap presenter view and slide show" under "display settings" when in presentation mode.

- 4K host laptops are generally limited to a single desktop share, anything further may strain the laptop's resources.

Resolution: This issue will be resolved in an upcoming software release.

- Solstice app calendar invites do not appear in the system tray prompt until 30 minutes prior to the meeting start time.

Resolution: This is by design; Mersive will optimize product usability over time based on feedback from customers and partners.

- The Solstice user app supports integration with Office 365 calendars only.

Resolution: Addition of Google calendar support is on the product roadmap for the upcoming year. Other calendars will be added in the future.