Wireless Presentations

Using AirMedia® 2.0 Wireless Technology

AirMedia 2.0 enables wireless collaboration in flexible spaces from Windows®, macOS®, iOS® and Android™ devices. Connecting to AirMedia 2.0 is done in both the AirMedia app and by using a device's native wireless sharing capabilities. Let's break down what Bring Your Own Device (BYOD) features are currently supported and what features will be supported in the future by AirMedia 2.0.

Wireless Connection Methods

Screen Mirroring. When connecting via Screen Mirroring, the connected device sends its entire screen image directly to the wireless presentation device.

Video Push. Video Push is a specific method of how to display video through a wireless presentation device. Generally speaking, the video link selected will stream directly to the wireless presentation device. User controls, such as stop and pause, are on the user's handheld device.

AirPlay®, Google Cast™, Miracast®devices often create an extension of the network to allow for ease of use for mobile device apps such as, YouTube® or Vimeo®. This potentially creates a network security issue. To conform to common enterprise IT protocols, AirMedia 2.0 does not do this.

With these terms defined, we can answer some of the most Frequently Asked Questions (and misconceptions) about wireless presentations.

USER: Why does Video Push work on Apple TV® Media Extender but not with an AirMedia 2.0 device from my iOS device?

CRESTRON: You are not on the same subnet. Apple TV creates an extension of the network using its integrated wireless access point (WAP). This puts both devices on the same subnet. AirMedia does not have a WAP, thus video push will not work. The reason it does not have a WAP is that it can create a network security issue within an enterprise environment.

USER: If I am on the same subnet, how do I get video push to work using my iOS and device?

CRESTRON: Use the native AirPlay experience to find your AirMedia 2.0 device. Swipe up on the device. If the AirMedia device is not discovered, you are not on the same subnet and video push will not work.

The Android™ platform and Audio

USER: Can I play audio from my Android phone on my AirMedia 2.0 device?

CRESTRON: No. Audio support on the Android platform only works via Google Cast[ii]. AirMedia 2.0 does not currently support Google Cast. Crestron is actively researching an enterprise solution to address this need.

Windows 10 Extended Desktop

USER: Why can't I use extended desktop on my Microsoft® Windows® 10 device with AirMedia 2.0?

CRESTRON: Windows 10 uses Miracast to utilize extended desktop. AirMedia will support Miracast in the near future.

USER: This used to work with Windows 7? Why not with Windows 10?

CRESTRON: Microsoft no longer includes native support for a virtual display in Windows 10. This allowed extended desktop to work with AirMedia.

USER: Why does extended desktop work with the Barco® ClickShare® Presentation System in Windows 10?

CRESTRON: Barco uses a virtual driver that is unsupported by Microsoft[v]. With future Microsoft updates, this may become obsolete without notice.

---

[i] https://support.apple.com/en-us/HT202618

[ii] https://support.google.com/chromecast/answer/2998456?hl=en&co=GENIE.Platform=Android

[iii] http://www.dualav.com/support/manuals/dmh25.pdf

[iv] https://support.google.com/chromecastbuiltin/answer/6102923?hl=en&ref_topic=6102922

[v] https://www.microsoft.com/en-us/search/DownloadResults.aspx?FORM=DLC&ftapplicableproducts=%5e%22AllDownloads%22&sortby=+weight&q=drivers