AirMedia 2

Frequently Asked Questions

1. What is AirMedia® 2.0?

AirMedia 2.0 is the next generation of AirMedia. It delivers a higher level of performance, usability, security, manageability, and features in wireless presentation over the original AirMedia technology. In addition to the AM-200 and AM-300 AirMedia Presentation Systems, AirMedia 2.0 functionality is built into popular Crestron presentation solutions, including Crestron Mercury®, DMPS3-4K-350-C, and DMPS3-4K-250-C.

2. How does AirMedia 2.0 performance compare to the original AirMedia and competitors?

AirMedia 2.0 has substantially reduced latency and bandwidth usage in most applications while retaining high quality for detailed content. AirMedia 2.0 uses 1/20th the bandwidth of the original AM 100 AirMedia Presentation Gateway with higher visual quality at bitrates near 1 Mbit/s, and improved latency between sender and receiver below 50ms* in many cases. Competitive solutions can have 50-100% more bandwidth and latency in the same network conditions, with visual quality inferior to that of AirMedia 2.0.

3. How is AirMedia 2.0 more usable than the original AirMedia and its competitors?

Some of the key AirMedia 2.0 enhanced features include:

- Full-screen mirroring across a wide range of devices (including mobile devices) for any material, from presentations and spreadsheets to videos and photos. The original AirMedia and many competitors can only present documents that are stored on the device, rather than from built-in applications.

- Enhanced robustness to poor network conditions such as jitter and packet loss.

- Enhanced quality at low bitrates near 1 Mbit/s.

- Enhanced stability and a fresh user interface that's easier to use.

- Crestron front-of-room experience with additional fully customizable connection options.

- Automatic room finding using in-room beacons that reduces the time and effort required to start presenting.

4. **How does AirMedia 2.0 enhance the security of wireless presentations?**

   AirMedia 2.0 is the most secure wireless presentation technology on the market with features such as:

   - Presentation link encryption between sender and AirMedia 2.0 equipped products using AES-128 – the same encryption used by governments and financial institutions to protect sensitive data on unprotected networks.

   - 802.1X authentication for AirMedia 2.0 equipped products to ensure only authorized devices are attached to the network.

   - Active Directory® credential management to centrally manage administrative logins to AirMedia 2.0 equipped products.

   - Secure Cresnet® over IP protocol for devices that can be controlled by a 3-Series® Control System.

   - TLS encryption suite for Crestron Fusion® Software and XiO Cloud provisioning services to the AirMedia 2.0 equipped products and senders.

5. **How is AirMedia 2.0 more manageable than AirMedia and the competition?**

   AirMedia 2.0 offers the easiest deployment and manageability of any wireless presentation system, including the original AirMedia and competitive products, with the following features:

   - Centralized provisioning of any number of AirMedia 2.0 equipped products through XiO Cloud. Provisioning includes firmware updates and device and network configuration features.

   - Monitoring of AirMedia 2.0 equipped products and their usage through Crestron Fusion Cloud.

   - Live ongoing visualization of key performance indicators and statistics

   of AirMedia equipped products through Microsoft Power BI® based business intelligence dashboards.

   - Active Directory to centrally manage administrative logins to AirMedia 2.0 equipped products.

   - Crestron .AV Framework™ platform for web based configuration of default AirMedia 2.0 equipped product behaviors and behaviors of connected devices such as displays with no complex programming required.

   - Silent installation of AirMedia 2.0 applications with a number of installation options for Windows® and Mac® OS® operating system deployment.

   - Fully customizable front-of-room connection display options on AirMedia 2.0 equipped products for users.

   - A variety of new AirMedia 2.0 equipped products with additional features, such as access to multiple unified communications platforms and remote physical and streaming inputs for true integrated room solutions without compromises.

6. **Which Crestron products have AirMedia 2.0 technology built-in?**

   AirMedia 2.0 technology is available in the AM-200 Wireless Presentation System, AM-300 Wireless Presentation System, DMPS3-4K-250-C, DMPS3-4K-350-C, and Crestron Mercury.

7. **Which computing devices can I use to present to an AirMedia 2.0 equipped products?**

   AirMedia 2.0 sending is available on the following platforms:

   - Windows 7, 8, 8.1, and 10

   - Mac OS 10.10 (Yosemite), 10.11 (El Capitan), 10.12 (Sierra), and 10.13 (High Sierra)

   - iOS® 11 operating system

   - Android™ 5 (Lollipop), 6 (Marshmallow),

7 (Nougat), and 8 (Oreo) operating systems

8. **The old AirMedia would only allow documents and media that lived on the device to be viewed. Will AirMedia 2.0 allow full-screen capture on a mobile device?**

    Yes, AirMedia 2.0 allows full-screen capture from iOS and Android as well as from Windows and Mac.

9. **Can I watch streaming videos from sites such as YouTube® from my AirMedia 2.0 enabled mobile device like I can from my desktop?**

    Yes, mobile video apps such as YouTube are capable of sending video to AirMedia 2.0 for tremendous flexibility. The only exception is for paid content from apps such as Netflix® that will not display video through AirMedia 2.0, which is the same for the Windows and Mac OS based AirMedia 2.0 desktop sending platforms.