



AM-101

AM-101 AirMedia[®] Presentation Gateway

Supplemental Guide

Crestron Electronics, Inc.

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AM-101: AirMedia Presentation Gateway

Introduction

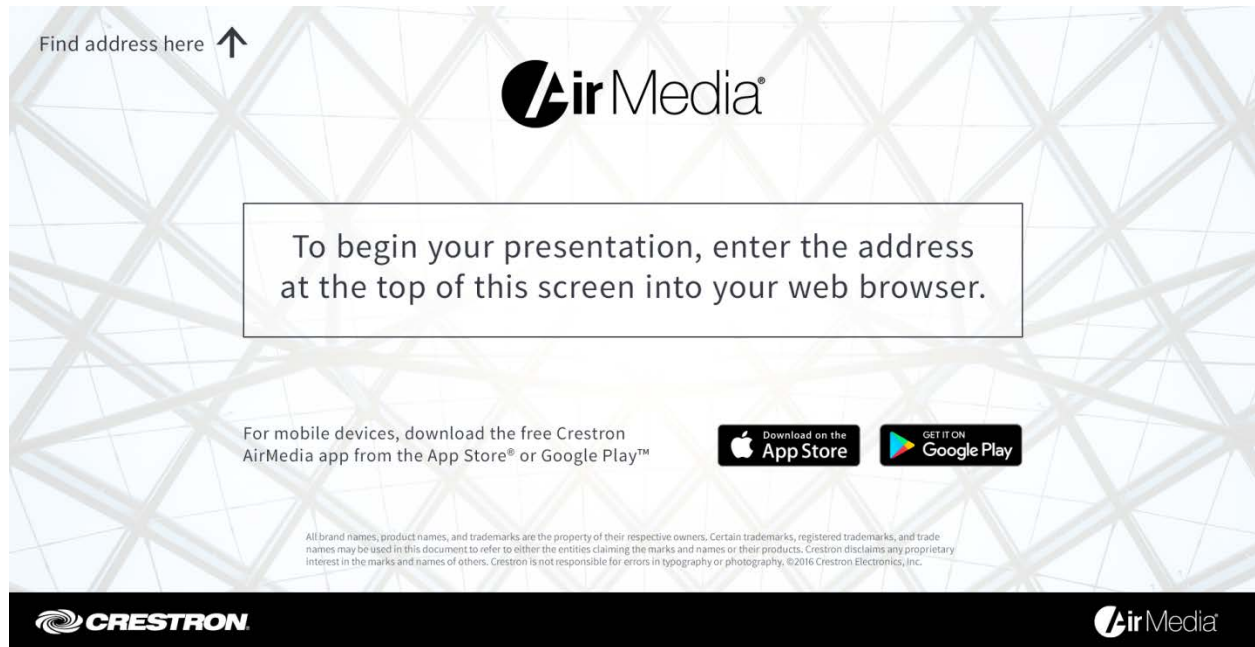
With an AirMedia® presentation gateway, a user can wirelessly present PowerPoint®, Excel®, Word, and PDF documents, as well as photos, on the room display from a personal iOS® or Android™ mobile device. MacBook® and PC laptops can be connected as well. There are no wires to hook up, no settings to configure, and no AV or control system is required. All that is required to share content from a portable device is a connection to a local Wi-Fi® network.

For information on installation and basic operation, refer to the AM-101 DO Guide (Doc. 7930) at www.crestron.com/manuals for details.

Configuration

Make all connections as described in AM-101 DO Guide (Doc. 7930) at www.crestron.com/manuals. The connected display device shows the AM-101 welcome screen.

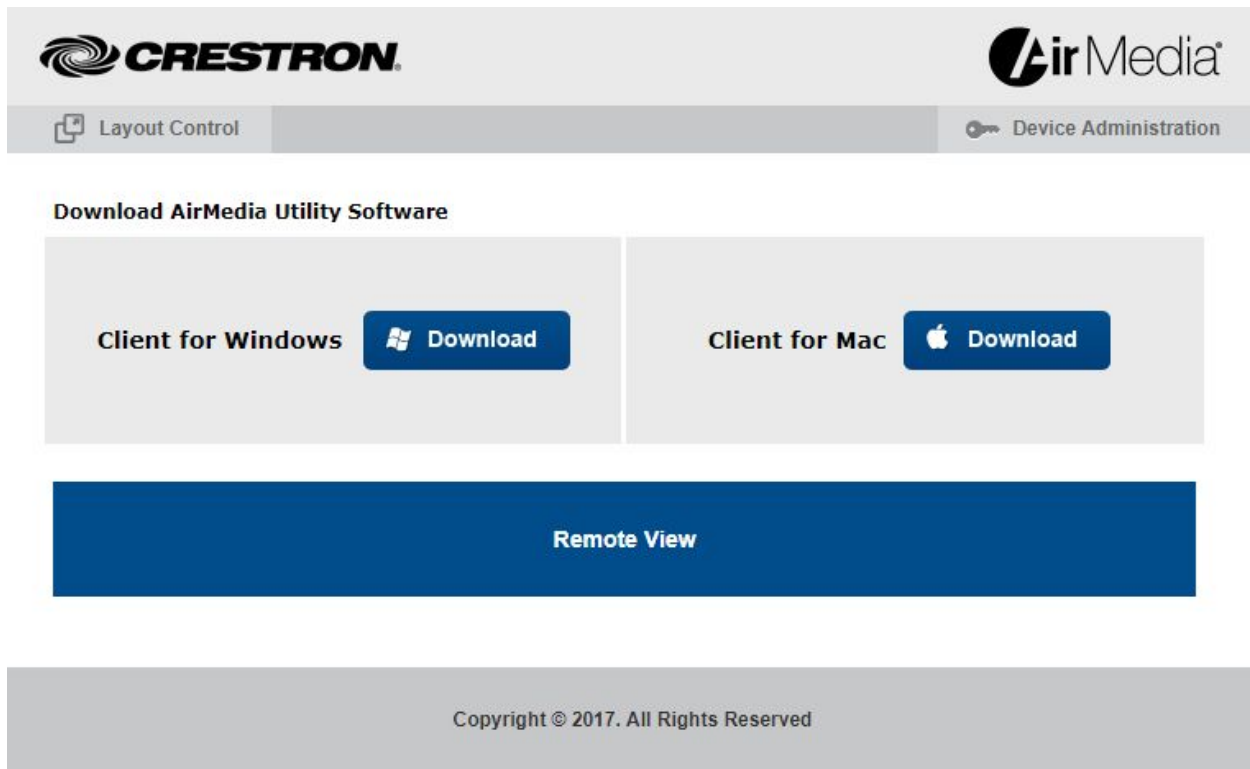
AM-101 Welcome Screen



1. Open a web browser on the computer, and navigate to the web address or the IP address that is displayed on the top left of the AM-101 welcome screen. The download screen is displayed.

NOTE: By default, the AM-101 displays the IP address in parentheses to assist in the configuration of the device. The IP address can be hidden so that the end user sees only a friendly URL (i.e., <http://AirMedia-019647>). For details, refer to “OSD Setup” on page 10.

Download Screen

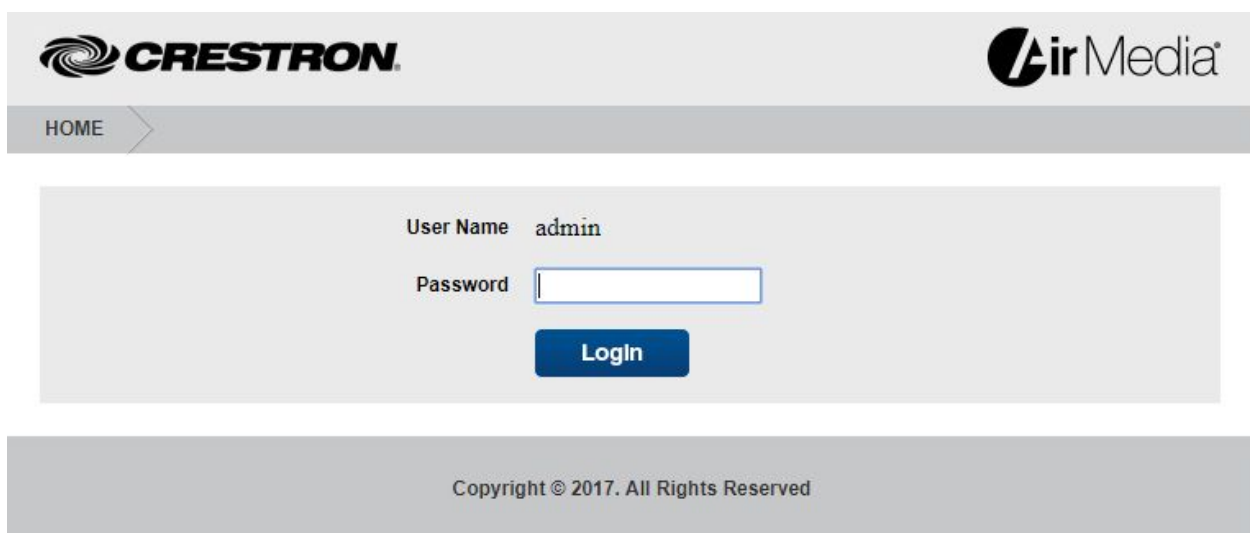


The screenshot shows the 'Download Screen' of the AirMedia utility software. At the top left is the CRESTRON logo, and at the top right is the AirMedia logo. Below the logos is a navigation bar with two tabs: 'Layout Control' (selected) and 'Device Administration'. The main content area is titled 'Download AirMedia Utility Software' and contains two columns. The left column is for 'Client for Windows' with a 'Download' button featuring the Windows logo. The right column is for 'Client for Mac' with a 'Download' button featuring the Apple logo. Below these columns is a large blue button labeled 'Remote View'. At the bottom of the page is a footer with the text 'Copyright © 2017. All Rights Reserved'.

2. Click **Device Administration**. The admin login screen is displayed.

NOTE: Prior to displaying the admin login screen, the web browser displays a security warning message about the security certificate. It is safe to ignore this warning as long as the user verifies that the browser's address bar indicates the correct IP address or host name.

Admin Login Screen



The screenshot shows the 'Admin Login Screen'. At the top left is the CRESTRON logo, and at the top right is the AirMedia logo. Below the logos is a navigation bar with a 'HOME' link and a right-pointing arrow. The main content area is a login form with the following fields: 'User Name' with the value 'admin', and 'Password' with an empty text input field. Below the password field is a blue 'Login' button. At the bottom of the page is a footer with the text 'Copyright © 2017. All Rights Reserved'.

3. Enter the admin password (the default password is "admin") and click **Login**. The **Device Administration** menu showing the **System Status** screen is displayed.

The screenshot shows the Crestron AirMedia web interface. At the top, there are logos for Crestron and AirMedia. Below the logos is a navigation bar with 'Device Administration' and 'System Status' tabs, and a 'Logout' button. A dark blue sidebar on the left contains a list of menu items: System Status, Device Setup, Network Setup, Crestron Services Setup, OSD Setup, SNMP Setup, Device Services, Change Password, Firmware Upgrade, Remote View Setup, Reset to Default, and Reboot System. The main content area displays system status information in a table format.

Model	
Name	Crestron AirMedia
Firmware Version	2.6.0.8
Processor	WM8750A
Network Status	
IP Address	172.30.16.75
Subnet Mask	255.255.255.0
Default Gateway	172.30.16.1
MAC Address	00:12:5F:0F:49:7F
Connection Status	
Status	Idle
Total Users	0

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NOTE: Changes made in any section of the Device Administration menu require that the AM-101 be rebooted for the settings to take effect. For details, refer to “Reboot System” on page 18 for details.

The **Device Administration** menu is divided into 12 sections:

- **System Status** displays the operational status of the AM-101.
- **Device Setup** sets the AM-101’s output resolution, under-scan setting, and access code.
- **Network Setup** sets the AM-101’s parameters for operating in a network environment.
- **Crestron Services Setup** sets the AM-101’s parameters for operating in a Crestron® network environment.
- **OSD Setup** configures the AM-101’s on-screen display.
- **SNMP Setup** configures the AM-101 to use the Simple Network Management Protocol (SNMP).
- **Device Services** enables and disables remote viewing, SNMP, and other features.
- **Change Password** changes the admin password.
- **Firmware Upgrade** imports or exports the system configuration to match other AM-101 devices and upgrades the AM-101’s firmware.

- **Remote View Setup** specifies the auto-refresh interval.
- **Reset to Default** resets the AM-101 to the default settings.
- **Reboot System** reboots the AM-101.

System Status

Click **System Status** to display the operational status of the AM-101.

Device Administration Menu Showing the System Status Screen

The screenshot shows the Crestron AirMedia System Status screen. The interface includes a navigation menu on the left and a main content area displaying system information. The Crestron and AirMedia logos are visible at the top.

Model	
Name	Crestron AirMedia
Firmware Version	2.6.0.8
Processor	WM8750A
Network Status	
IP Address	172.30.16.75
Subnet Mask	255.255.255.0
Default Gateway	172.30.16.1
MAC Address	00:12:5F:0F:49:7F
Connection Status	
Status	Idle
Total Users	0

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The **System Status** screen displays the device's name (host name), firmware version, network status (IP address, subnet mask, default gateway, and MAC address), and connection status.

Device Setup

Click **Device Setup** to configure the output resolution, under-scan setting, and access code.

The screenshot displays the Crestron AirMedia Device Administration interface. At the top, the Crestron logo is on the left and the AirMedia logo is on the right. Below the logos, there are two tabs: "Device Administration" and "Device Setup", with "Device Setup" being the active tab. A "Logout" button is located in the top right corner. On the left side, there is a blue sidebar menu with the following items: System Status, Device Setup (highlighted), Network Setup, Crestron Services Setup, OSD Setup, SNMP Setup, Device Services, Change Password, Firmware Upgrade, Remote View Setup, Reset to Default, and Reboot System. The main content area shows the "Device Setup" configuration page. It has a table-like structure with two sections: "Login Code Setup" and "Device Setup". The "Login Code Setup" section has a "Code" field with three radio button options: "Disabled", "Random" (which is selected), and "Use the following code" followed by a text input field and "(0-9) Set" button. The "Device Setup" section has an "Output Resolution" dropdown menu set to "Auto Detect (HDMI)" and an "Under Scan" section with four radio button options: "0%" (selected), "2.5%", "5%", and "7.5%". At the bottom right of the configuration area are "Apply" and "Cancel" buttons. At the very bottom of the page, there is a copyright notice: "Copyright © 2017. All Rights Reserved".

Code

A code can be used to limit access to the AM-101. The code feature can be disabled, randomly generated, or fixed to a specific value.

1. Select one of the following options from the **Code** section to specify how the access code is used:
 - **Disabled** allows any user with the AM-101's IP address or host name to open a client connection without entering an access code.
 - **Random** sets the AM-101 to randomly generate an access code. A new code is generated when the last connected presenter disconnects from the AM-101. The access code is displayed on the top right of the AM-101 welcome screen as shown on page 2.
 - **Use the following code** sets the AM-101 to display a user-specified, four-digit access code. Enter a code and click **Set**. The access code is displayed on the top right of the AM-101 welcome screen as shown on page 2.
2. Click **Apply** to apply any changes. Click **Cancel** to cancel.

Output Resolution

1. Select a resolution setting from the **Output Resolution** drop-down menu.
2. Click **Apply** to apply any changes. Click **Cancel** to cancel.

Under Scan

1. Select an amount of under scan to be applied to the displayed image.
2. Click **Apply** to apply any changes. Click **Cancel** to cancel.

Network Setup

Click **Network Setup** to configure the AM-101's parameters for operating in a network environment.

Device Administration Menu Showing the Network Setup Screen

CRESTRON **AirMedia**

Device Administration > Network Setup Logout

System Status
Device Setup
Network Setup
Crestron Services Setup
OSD Setup
SNMP Setup
Device Services
Change Password
Firmware Upgrade
Remote View Setup
Reset to Default
Reboot System

Host Name and Domain Name	Host Name	<input type="text" value="AirMedia-0f497f"/>	
	Domain Name	<input type="text"/>	
Note: For maximum compatibility, host names 15 characters or fewer are recommended. Maximum host name length is 32 characters. Allowed characters: [0-9], [A-Z], [a-z], [-].			
IP Setup	<input checked="" type="radio"/> Obtain an IP address automatically <input type="radio"/> Use the following IP address		
	IP Address	<input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="100"/> . <input type="text" value="10"/>	
	Subnet Mask	<input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="255"/> . <input type="text" value="0"/>	
	Default Gateway	<input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="100"/> . <input type="text" value="10"/>	
	DNS Server	<input type="text" value="192"/> . <input type="text" value="168"/> . <input type="text" value="100"/> . <input type="text" value="10"/>	

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Host Name and Domain Name

Use a host name and domain name as an alternative to IP addressing when connecting client computers to the AM-101.

NOTE: When specifying a host name, choose one that has less than 15 characters.

NOTE: To use a host name, set the AM-101's **IP Setup** to **Obtain an IP address automatically** or, if using a static IP address, specify the domain name in the **Domain Name** field.

1. Enter a host name (15 characters or less) in the **Host Name** field and a domain name (optional) in the **Domain Name** field.
2. Click **Apply** to apply any changes. Click **Cancel** to cancel.

IP Setup

In the **IP Setup** section, the IP address, subnet mask, default gateway, and DNS server of the AM-101 can be set. The settings can be set manually or obtained from a DHCP server.

1. Select **Obtain an IP address automatically** to use a DHCP server to provide the IP address, subnet mask, default gateway, and DNS server. Otherwise, select **Use the following IP address** and enter the Ethernet parameters.
2. Click **Apply** to apply any changes. Click **Cancel** to cancel.

Crestron Services Setup

Click **Crestron Services Setup** to configure the AM-101 for operation in a Crestron network environment.

Device Administration Menu Showing the Crestron Services Setup Screen

CRESTRON **AirMedia**

Device Administration > Crestron Services Setup [Logout](#)

- System Status
- Device Setup
- Network Setup
- Crestron Services Setup**
- OSD Setup
- SNMP Setup
- Device Services
- Change Password
- Firmware Upgrade
- Remote View Setup
- Reset to Default
- Reboot System**

Crestron Control System	IP Address or Host name	<input type="text"/>
	IP ID	05 ▼
	Port	41794 <input type="text"/>
	Communication Status	Offline
Fusion Server	IP Address or Host name	<input type="text"/>
	IP ID	02 ▼
	Port	41794 <input type="text"/>
	Communication Status	Offline
Crestron Connected® Device	IP Address or Host name	<input type="text"/>
	Communication Status	Offline
	Current Source	None
	Source	None ▼ <input type="button" value="Set"/>
	Automatic Power On	<input checked="" type="radio"/> Immediately <input type="radio"/> After Code Entry
	Power Off Time Out	0 <input type="text"/> minutes <input type="button" value="Set"/>
	Power Control	<input type="button" value="Power On"/> <input type="button" value="Power Off"/>
	Power Status	Unknown
	Lamp Hours	0 hours
Device Status	No Error	

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Crestron Control System

The **Crestron Control System** section specifies the control system that controls the AM-101.

- **IP Address or Host name** is the IP address or host name of the Crestron control system. Enter the IP address or host name of the Crestron control system and click **Apply**.
- **IP ID** identifies the AM-101 in the control system's program. Select the AM-101's IP ID from the drop-down menu and click **Apply**.
- **Port** is the port number used to communicate with the control system.
- **Communication Status** indicates the status of the communication link between the control system and the AM-101.

To apply any changes, click **Apply**. To cancel, click **Cancel**.

Fusion Server

The **Fusion Server** section specifies the Crestron Fusion® server communicating with the AM-101.

- **IP Address or Host name** is the IP address or host name of the Crestron Fusion server. Enter the IP address or host name of the Crestron Fusion server and click **Apply**.
- **IP ID** identifies the AM-101 in the Crestron Fusion server's program. Select the AM-101's IP ID from the drop-down menu and click **Apply**.
- **Port** is the port number used to communicate with the Crestron Fusion server.
- **Communication Status** indicates the status of the communication link between the Crestron Fusion server and the AM-101.
- Click **Apply** to apply any changes. Click **Cancel** to cancel.

Crestron Connected Device

The **Crestron Connected Device** section specifies the Crestron Connected® display device that is connected to the AM-101. Once the device is specified, basic status information and controls are displayed.

1. Enter the IP address or host name of the Crestron Connected device to specify the Crestron Connected device.
2. Click **Set** to apply changes to the **Source** and **Power Off Time Out** settings.
3. Click **Apply** to apply any changes. Click **Cancel** to cancel.

NOTE: The **Apply** button does not affect changes made to the **Source** and **Power Off Time Out** settings.

OSD Setup

Click **OSD Setup** to specify a logo image to display and to display or hide the AM-101's connection information.

Change Logo Image

The **Change Logo Image** section is used to select the logo image on the AM-101 welcome screen.

- **Logo Image** displays the file name of the logo image. If the default logo image is used, “Default” is displayed.
- **Restore to default** reverts to the default logo image.

- **Customized OSD Image source** allows the user to select a static image file from the connected PC, a website, or an FTP server. To upload a custom file, perform the following procedure:
 1. Select the location of the image file (**Local**, **HTTP**, or **FTP**).
 - For a **Local** image file, click **Choose File** and select the local file.
 - For an image file stored on a web site, select **HTTP** and enter the address where the image is located.
 - For an image file stored on an FTP site, select **FTP** and enter the FTP address where the image is located, the FTP site's port number, user ID, and password.

When choosing a file, follow these guidelines:

- Use logo images in JPEG format.
- Do not exceed a file size of 510 kB.
- For a given native display resolution, use the following table to create a properly sized logo.

Native Display Resolution and Logo Image Size

NATIVE DISPLAY RESOLUTION	LOGO IMAGE SIZE
800 x 600	800 x 500
1280 x 720	1280 x 600
1024 x 768	1024 x 640
1360 x 768	1360 x 640
1280 x 800	1280 x 667
1400 x 900	1400 x 750
1920 x 1080	1920 x 900
1600 x 1200	1600 x 1000

2. Click **Image File Upload**.

OSD Timeout

The **OSD Timeout** section specifies how long the connection information is displayed after a presenter connects to the AM-101. When **DO NOT DISTURB** is set **Off**, the connection information is always displayed when a user opens the AirMedia application.

Video Out Timeout

The **Video Out Timeout** section specifies how long the video output stays on after inactivity.

Display Option

The **Display Option** section controls how the connection information is displayed.

- **Display IP address** sets the AM-101 to display the IP address after the host name. Select **On** and click **Apply** to display the IP address, or select **Off** and click **Apply** to hide the IP address.

- **Display Code** sets the AM-101 to display the access code on the AM-101 welcome screen. Select **On** and click **Apply** to display the access code, or select **Off** and click **Apply** to hide the access code.
- **Display Host Name** sets the AM-101 to display the host name. Select **On** and click **Apply** to display the host name after the presenter connects to the AM-101, or select **Off** and click **Apply** to hide connection information after the presenter connects to the AM-101.
- **Display Domain Name** sets the AM-101 to display the domain name to which the AM-101 is attached when a host name is used to connect with the AM-101 instead of an IP address. To display the domain name when the AM-101's host name is used for connection, select **On** and click **Apply**. To hide the domain name, select **Off** and click **Apply**.

Click **Apply** to apply any changes. Click **Cancel** to cancel.

SNMP Setup

Click **SNMP Setup** to configure the AM-101 to use SNMP.

Device Administration Menu Showing the SNMP Setup Screen

The screenshot shows the Crestron AirMedia device administration interface. The top navigation bar includes the Crestron logo on the left and the AirMedia logo on the right. Below the navigation bar, there are two tabs: "Device Administration" and "SNMP Setup". A "Logout" button is located in the top right corner. On the left side, there is a vertical navigation menu with the following items: System Status, Device Setup, Network Setup, Crestron Services Setup, OSD Setup, SNMP Setup (highlighted), Device Services, Change Password, Firmware Upgrade, Remote View Setup, Reset to Default, and Reboot System. The main content area is titled "SNMP" and contains a form with the following fields:

Version	2c ▼
Manager IP	<input type="text"/>
Public Community	public
Private Community	private
Username	user
Authentication Protocol	MD5 ▼
Authentication Password	<input type="password"/> <input checked="" type="checkbox"/> Hide characters
Privacy Protocol	DES ▼
Privacy Password	<input type="password"/> <input checked="" type="checkbox"/> Hide characters

At the bottom right of the form, there are two buttons: "Apply" and "Cancel".

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- The AM-101 supports SNMP versions 1, 2c, and 3. Select the version from the **Version** drop-down menu.
- The AM-101 uses an IP filter for SNMP connections. When an IP address is specified in the **Manager IP** field, the device accepts an SNMP request only from

that IP address. If the field is blank, the SNMP request is honored from any IP address.

- If using SNMP version 3, specify a user name, authentication protocol, authentication password, privacy protocol, and privacy password.

The default settings are as follows: **Version** is set to **2c**, **Public Community** is set to **public**, and **Private Community** is set to **private**.

Click **Apply** to apply any changes. Click **Cancel** to cancel.

Device Services

Click **Device Services** to enable and disable remote viewing, SNMP, and other features.

Device Administration Menu Showing the Device Services Screen

Server Setup	
Web Server	<input checked="" type="radio"/> Enable <input type="radio"/> Disabled
Remote View	<input checked="" type="radio"/> Enable <input type="radio"/> Disabled
SNMP	<input checked="" type="radio"/> Enable <input type="radio"/> Disabled
Crestron Services	<input checked="" type="radio"/> Enable <input type="radio"/> Disabled
Layout Control	<input checked="" type="radio"/> Enable <input type="radio"/> Disabled
Device Mirroring	<input checked="" type="radio"/> Enable <input type="radio"/> Disabled
Administration Pages	<input checked="" type="radio"/> Enable <input type="radio"/> Disabled
USB Control	<input checked="" type="radio"/> Enable <input type="radio"/> Disabled

Apply Cancel

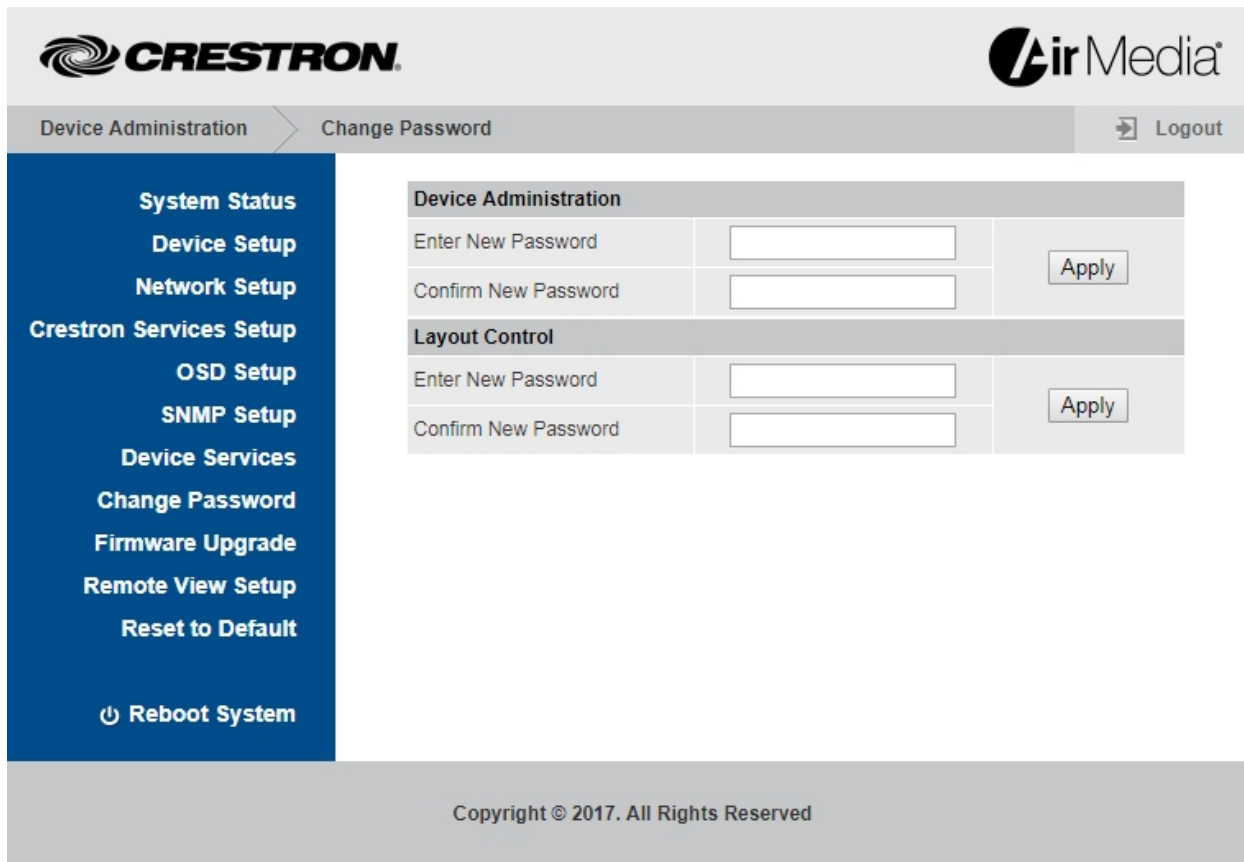
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Select **Enable** or **Disabled** for each service listed in **Server Setup**.

NOTE: Disabling the administration pages prevents access to the AM-101's configuration screens. These pages can still be enabled by SNMP or the control system connection. However, if SNMP and Crestron Services are disabled as well, the AM-101 must be restored to the original factory settings to gain access to the configuration screens. For details, refer to "Hardware Reset" on page 29.

Change Password

Click **Change Password** to set a new admin password or layout control password.



Device Administration

Perform the following procedure to change the admin password:

1. Enter a new password in the **Enter New Password** field.
2. Enter the new password in the **Confirm New Password** field and click **Apply**.

Layout Control

Perform the following procedure to change the layout control password:

1. Enter a new password in the **Enter New Password** field.
2. Enter the new password in the **Confirm New Password** field and click **Apply**.

Firmware Upgrade

Click **Firmware Upgrade** to import or export device configuration settings or upload new firmware.

The screenshot shows the Crestron AirMedia device administration interface. At the top left is the Crestron logo, and at the top right is the AirMedia logo. Below the logos is a navigation bar with "Device Administration" and "Firmware Upgrade" tabs, and a "Logout" button. A dark blue sidebar on the left contains a list of menu items: System Status, Device Setup, Network Setup, Crestron Services Setup, OSD Setup, SNMP Setup, Device Services, Change Password, Firmware Upgrade (highlighted), Remote View Setup, Reset to Default, and Reboot System. The main content area is titled "System Configuration" and contains two sections. The first section, "System Configuration", has an "Export System configuration" button with an "Export" button next to it, and a "Choose File" button with "No file chosen" text and an "Import" button next to it. The second section, "Firmware Upgrade", shows "Firmware Version" as 2.6.0.8 and "Release Date" as 20171101. Below this, a warning message states: "Please ensure that no users are connected before beginning the upgrade." There is a "File Name" label, a "Choose File" button with "No file chosen" text, and an "Upgrade" button.

Device settings can be imported from another device or exported to a file for use on another device.

Export and Import System Configuration Settings

Click **Export** to export the system configuration file.

Perform the following procedure to import a system configuration file:

1. Click **Choose File** to select a file to import. The file has the .conf extension.
2. Click **Import** to import the configuration file and change the AM-101's settings.

Upgrade Firmware

Perform the following procedure to update the AM-101's firmware:

1. Click **Choose File** to select the desired firmware file. The file has the .img extension.
2. Click **Upgrade** to update the AM-101's firmware.

NOTE: Firmware upgrades may take up to 30 minutes.

NOTE: Ensure that all users are disconnected from the AM-101 before upgrading the firmware.

NOTE: Use the AirMedia Firmware Update Utility (which is available for download from www.crestron.com/airmedia) to update multiple AM-101s across an enterprise.

Remote View Setup

Click **Remote View Setup** to configure remote view operations.

Device Administration Menu Showing the Remote View Setup Screen

The screenshot displays the Crestron AirMedia web interface for Remote View Setup. The left sidebar contains a navigation menu with the following items: System Status, Device Setup, Network Setup, Crestron Services Setup, OSD Setup, SNMP Setup, Device Services, Change Password, Firmware Upgrade, Remote View Setup (highlighted), Reset to Default, and Reboot System. The main content area is titled 'Remote View Setup' and includes the following settings:

- Remote View Control:** Remote view always active; User controls remote view setting
- Access Password Control:** Disabled; Use the same password as "Code"
- Auto Refresh Interval (second):** Manual Refresh; 5 *recommended maximum concurrent users. (5); 10 *recommended maximum concurrent users. (10); 20 *recommended maximum concurrent users. (15); 30 *recommended maximum concurrent users. (20); 45 *recommended maximum concurrent users. (25); 60 *recommended maximum concurrent users. (30); 90 *recommended maximum concurrent users. (35)

Buttons for 'Apply' and 'Cancel' are located at the bottom right of the settings area. The footer of the page reads 'Copyright © 2017. All Rights Reserved'.

Remote View Control

The **Remote View Control** section specifies whether remote viewing is available to connected viewers when a presenter connects to the AM-101.

Select **Remote view always active** to automatically allow remote viewing when the presenter connects to the AM-101. Select **User controls remote view setting** to require the presenter to allow remote viewing.

Access Password Control

The **Access Password Control** section allows the code that is displayed on the screen to control access to the device when remote view is used. Select **Disabled** or **Use the same password as "Code."**

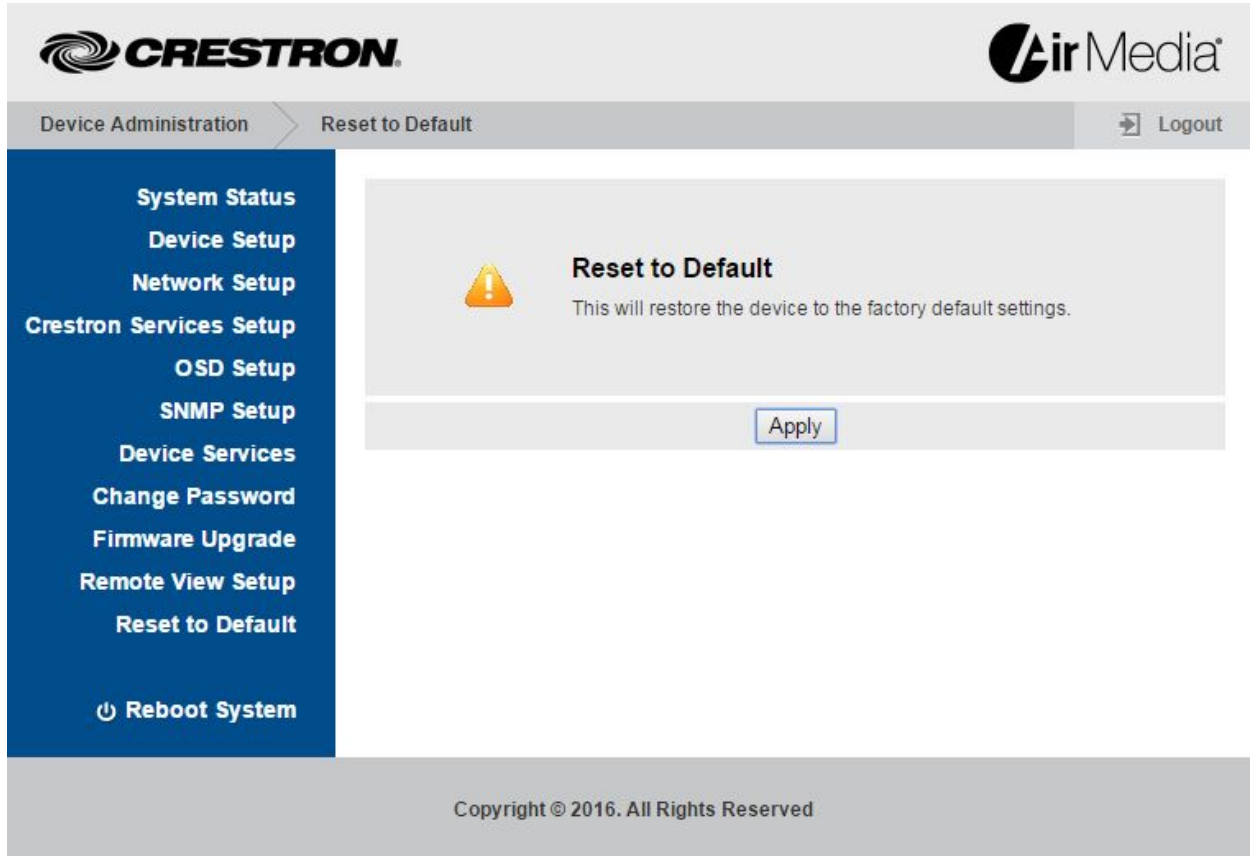
Auto Refresh Interval

The **Auto Refresh Interval** section specifies how often the presented content should be refreshed. Using the recommended maximum amount of concurrent users shown, select a refresh interval (in seconds) from the list and click **Apply**. To cancel, click **Cancel**.

Reset to Default

Click **Reset to Default** and then click **Apply** to reset the AM-101 to the factory settings.

Device Administration Menu Showing the Reset to Default Screen



The screenshot displays the Crestron AirMedia web interface. At the top left is the Crestron logo, and at the top right is the AirMedia logo. Below the logos is a navigation bar with 'Device Administration' and 'Reset to Default' tabs, and a 'Logout' button. A left-hand menu lists various system settings, with 'Reset to Default' highlighted. The main content area shows a warning icon and the text 'Reset to Default' followed by 'This will restore the device to the factory default settings.' and an 'Apply' button. The footer contains the text 'Copyright © 2016. All Rights Reserved'.

Reboot System

Click **Reboot System** and click **Apply** to reboot the AM-101.

Operation

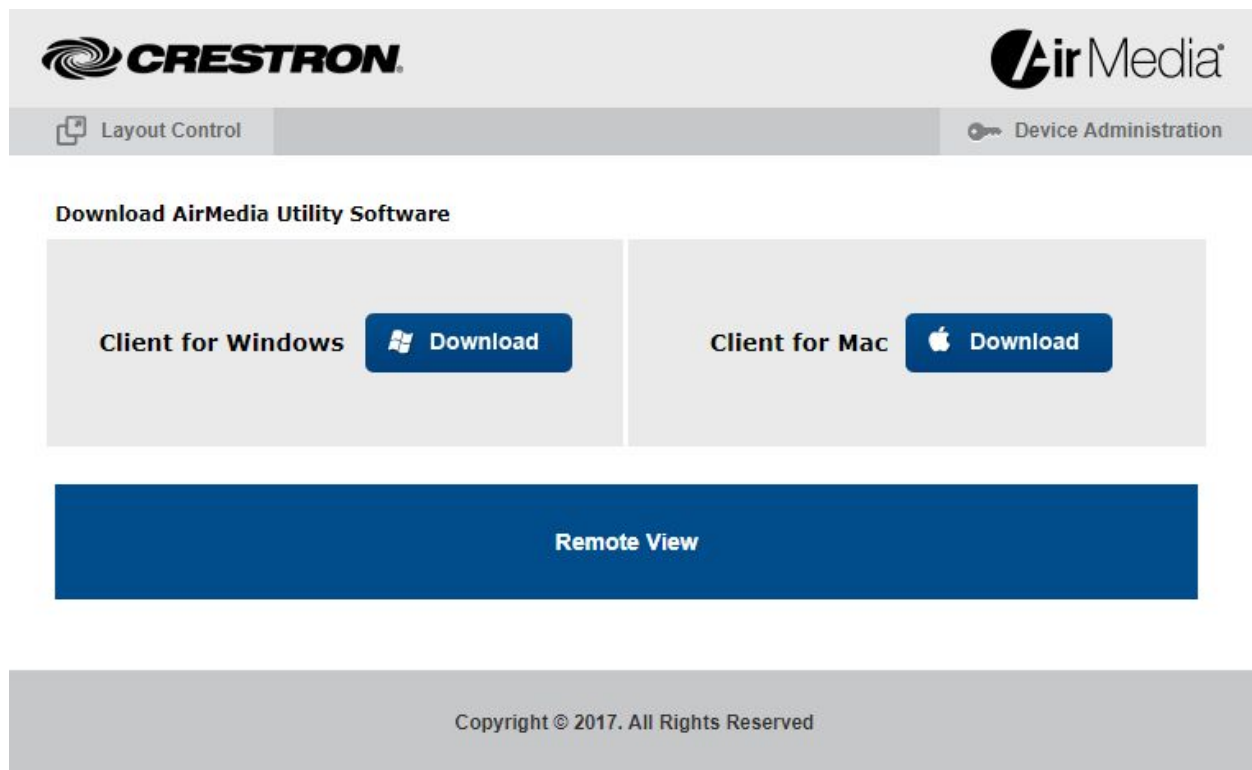
The AM-101 uses a client application to share a PC or Mac® (hereafter referred to as “computer”) desktop. The computer should be able to access the AM-101 over the network.

NOTE: Crestron offers a stand-alone application for enterprise deployments. This application features additional connection methods and device management. For details, visit present.crestron.com.

NOTE: Mobile devices can share their content using the Crestron AirMedia app or the Crestron PinPoint™ mobile app, which are available for iOS® and Android™ devices. Both apps may be used for full screen sharing on devices running Android 5.0 Lollipop and above. Download the latest version of these apps from the App Store® app in iTunes® software or Google Play™ store.

1. Open a web browser on the computer, and navigate to the web address or the IP address that is displayed on the top left of the AM-101 welcome screen as shown on page 2. The download screen is displayed.

Download Screen



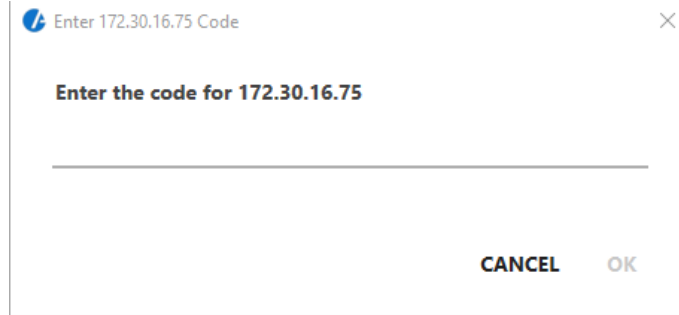
2. Click on the **Download** icon for the computer’s operating system and follow the instructions for running the client application.

NOTE: When used on a Mac, the AirMedia application must be run from within the disk image file. Do not drag the application out of the disk image file.

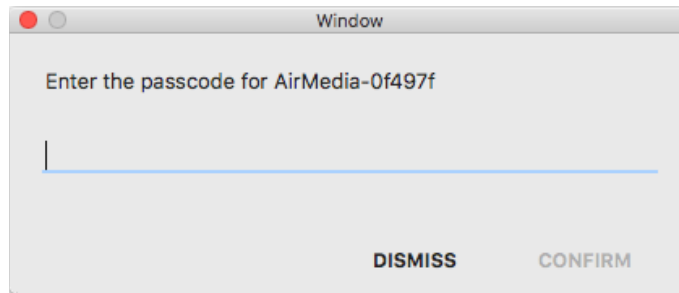
Run the AM-101 Client

1. Run the client application. The **Enter Code** (**Enter Passcode** on Mac) screen is displayed.

Enter Code Screen (Windows)

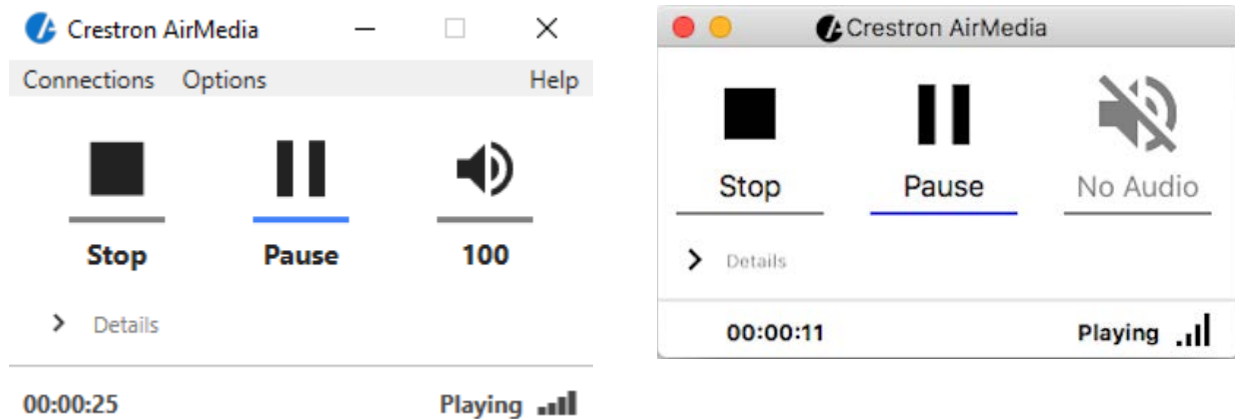


Enter Passcode Screen (Mac)



2. Enter the code displayed on the AM-101 welcome screen and click **OK** (**CONFIRM** on Mac). The client establishes a connection between the computer and the AM-101 while displaying the Crestron AirMedia controls on the computer.











Crestron AirMedia Controls (L-R, Windows and Mac)



NOTE: The application mutes the PC's local audio, since the audio is transmitted to the device and played through the display's speakers.

Control the Presentation

Direct the presentation with the following controls:

- Click  to stop showing the computer's screen.
- Click  to start showing the computer's screen.
- Click  to freeze the computer's screen.
- Hover over  to show a volume slider control and drag the slider to raise or lower the volume.
- Click  to mute the audio output.
- Click  to unmute the audio output.
- Click  to close the client application and the connection between the computer and the AM-101. On a Mac, click  to close the client application and the connection between the computer and the AM-101.
- Click  to minimize the presentation control screen. On a Mac, click  to minimize the presentation control screen.

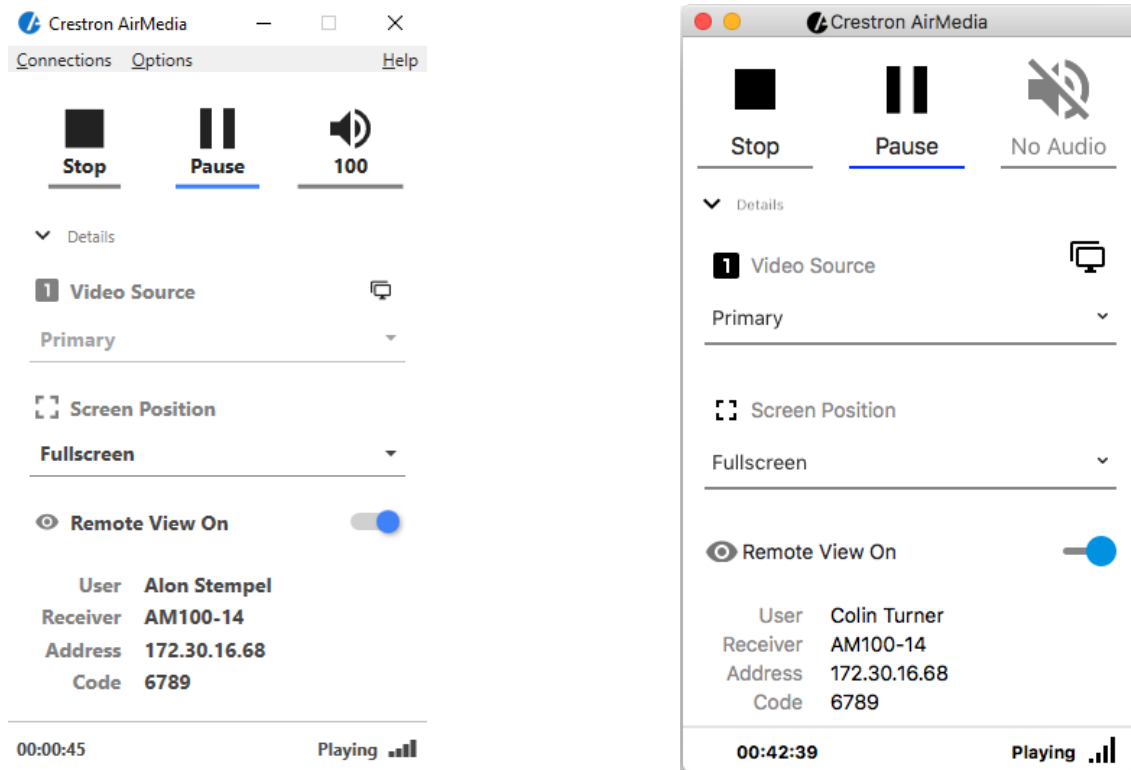
Configure Basic Presentation Settings

Once a link between the computer and the AM-101 has been established, the AM-101 can be configured for custom operation.

Perform the following to configure the AM-101:

1. On the presentation control screen, click **Details**. The screen expands to show additional controls and information.

Presentation Control Screen Details (L-R, Windows and Mac)



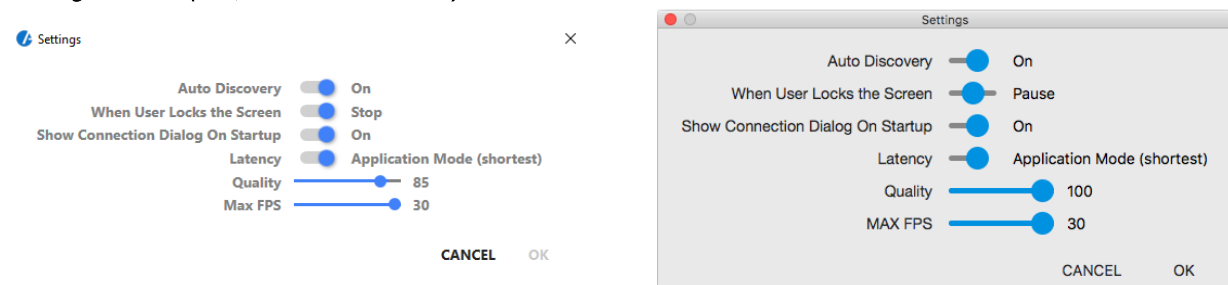
2. Configure the following options:

- **Video Source:** On a Windows® computer, the user can share a secondary desktop. This is similar to the Extend mode in Windows for multiple displays. On a Mac, a secondary connected display can be shared.
- **Screen Position** sets the position of displayed content on a remote viewer's display. For details, refer to "Quad View" on page 23.
- **Remote View** allows the device to serve images of the desktop to remote viewers via the built-in web server.

3. Configure the operation and the image quality settings:

- a. Click **Options | Settings** (on a Mac, click **Crestron AirMedia | Preferences**). The **Settings** screen is displayed.

Settings Screen (L-R, Windows and Mac)



b. Customize the settings.

- **Auto Discovery** should be set to **On**.

- **When User Locks the Screen** sets the behavior of the client software when the connected computer is locked. Choose from **Stop** (the client stops sharing), **Pause** (the client pauses sharing), or **Nothing** (nothing happens).
 - **Show Connection Dialog on Startup** selects whether connection information is displayed when the client starts.
 - **Latency** selects the amount of latency in transmitting the signal from the computer to the AM-101. Select **Application Mode (shortest)** for the least amount of latency or **Video Mode (PreBuffer)** for a longer amount of latency that is best suited for buffering shared video.
 - Set the **Quality** of the projected signal (0 to 100 percent).
 - Set the **Max FPS** (frames per second) refresh rate (1 to 30)
- c. Click **OK** to confirm the settings or click **Cancel** to cancel.

Quad View

Up to four computers can simultaneously share their desktops with the AM-101. Shared desktops are arranged with each computer using one quarter of the projected image.

NOTE: If moderator controls are enabled, the screen position can be set by the moderator only. For details, refer to “Moderator Controls” on page 25.

NOTE: Although the AM-101 can support up to 32 connected computers for sharing, only four desktops can be displayed simultaneously.

Perform the following to share multiple desktops simultaneously:

1. Connect the computer to the AM-101 as described in “Run the AM-101 Client” on page 20.
2. Connect up to three other computers as described in “Run the AM-101 Client” on page 20.
3. Click **Details**.
4. Select the shared desktop's quadrant on the display device from the **Screen Position** drop-down menu.

NOTE: If another computer is already sharing the selected position, the position is replaced by the newly shared desktop. Desktop playback ceases on the “booted” computer.

NOTE: If **Fullscreen** is chosen, any other shared desktops are replaced by the newly shared desktop. Desktop playback ceases on the “booted” computers.

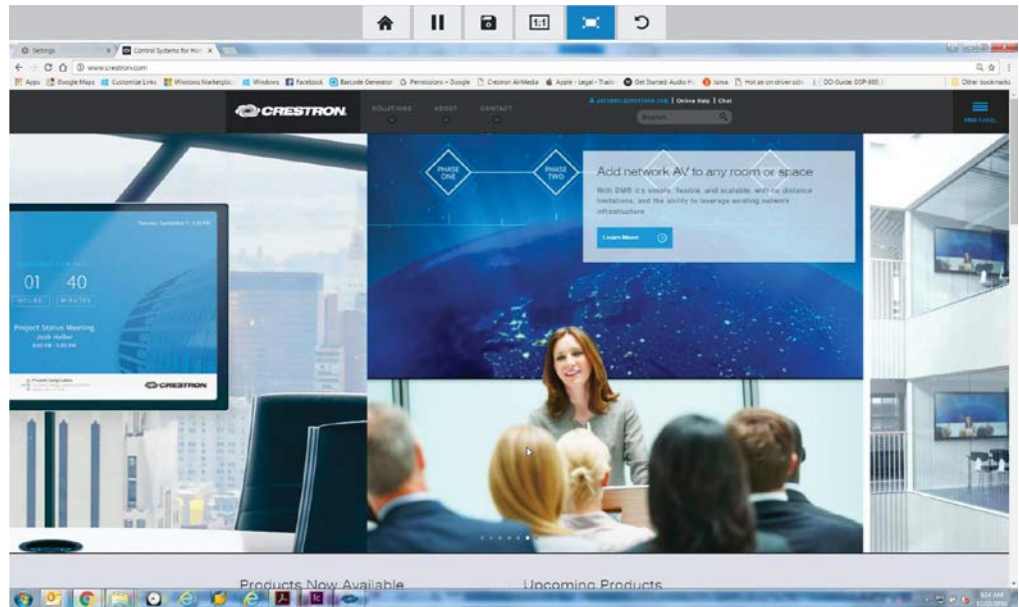
View a Presentation Remotely

If Remote View is enabled, users can view desktop images via the AM-101’s built-in web server. Perform the following to remotely view images:







1. Open a web browser on a remote computer, and navigate to the web address or IP address supplied by the user or users that are sharing their desktops. The download screen as shown on page 19 is displayed.

2. Click **Remote View**. The shared desktop is displayed in the web browser as a web page.

Remote View Web Page



3. Use the following buttons when viewing the AM-101's output in a web browser.

-  Exit remote viewing and return to the download screen.
-  Pause the currently displayed image.
-  Save the currently displayed image.
-  View the currently displayed image at actual size.
-  View the currently displayed image at full-screen size.
-  Refresh the image.

Moderator Controls

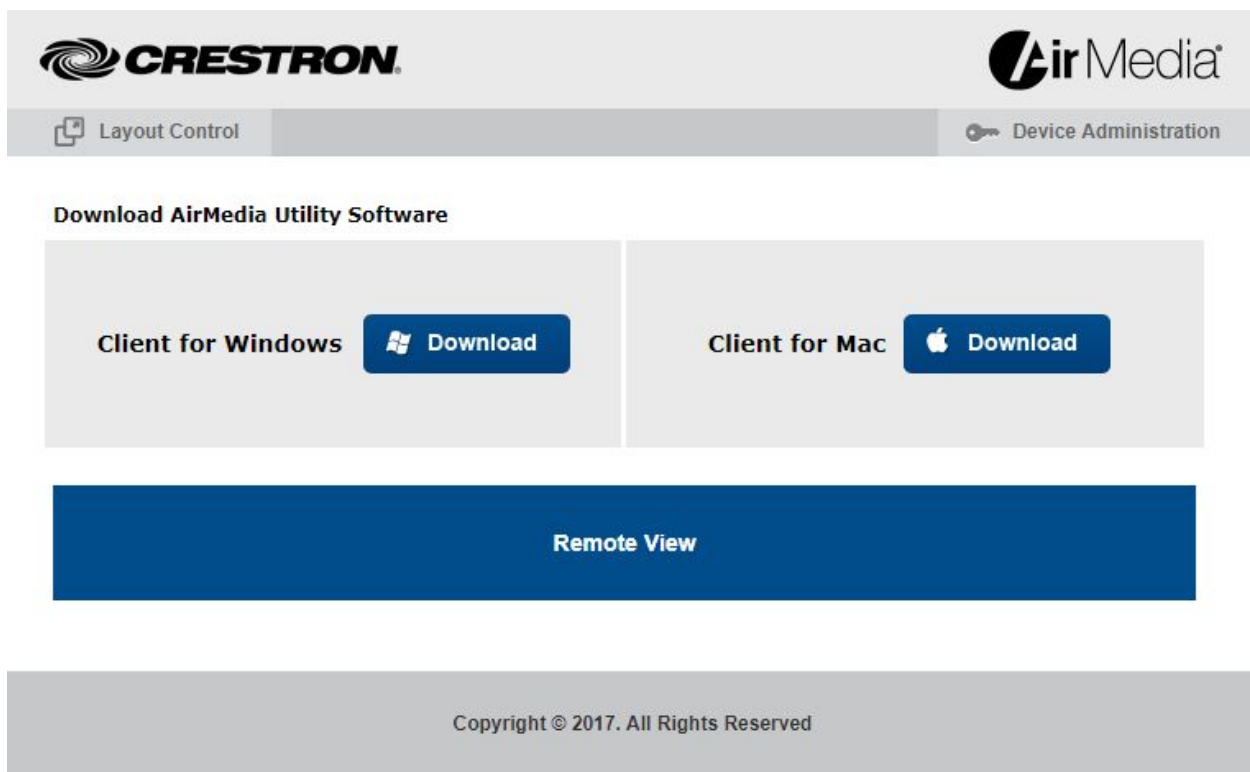
Moderator controls are used to determine which users can present to the display device and where their presented content is located on the display.

Log In

1. Open a web browser on a remote computer, and navigate to the web address or the IP address that is displayed on the top left of the AM-101 welcome screen. The download screen is displayed.

NOTE: By default, the AM-101 displays the IP address in parentheses to assist in the configuration of the device. The IP address can be hidden so that the end user sees only a friendly URL (i.e., <http://AirMedia-019647>). For details, refer to “OSD Setup” on page 10.

Download Screen



2. Click **Layout Control**. The moderator login screen is displayed.

Moderator Login Screen

CRESTRON

AirMedia

HOME >

User Name moderator

Password [dots]

Login

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3. Enter the moderator password (the default password is “moderator”) and click **Login**. The **Layout Control** screen is displayed showing a list of connected presenters.

CRESTRON AirMedia®

Crestron AirMedia > Layout Control Logout

Layout Control

Moderator
 When checked, changes to the layout can only be made by this browser session.

Name	Play Control	IP Address
Alon Stempel	  	172.30.16.96

Device Mirroring

Name	Play Control	IP Address
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Control the Display Layout

1. Click the **Moderator** check box to enable layout control.

NOTE: If **Moderator** is enabled, the play control can be changed only by the user who is logged in as the moderator.

2. Up to four connected users can share content on the display at a time. Select the display capability of each connected user. Use the following controls for each connected presenter.



Sets the selected presenter to display in full screen.



Sets the selected presenter to display in a specific quadrant of the display. Click on the quadrant where the presenter's content is to be displayed.



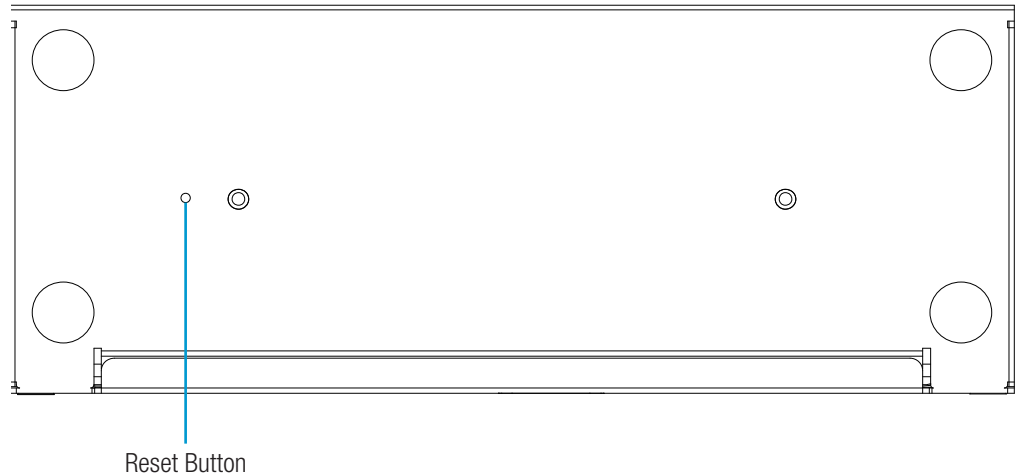
Disconnects the selected presenter from the display.

Hardware Reset

In the event the AM-101's configuration screen cannot be accessed, the AM-101 must be reset to the factory settings. Access issues may be due to the administration pages being disabled or the device may be configured with a static IP address that is on a different subnet. Perform the following to restore the factory settings:

1. Turn the AM-101 upside down as shown in the following diagram.

Underside of the AM-101



2. Unplug the AM-101
3. Press and hold the reset button.
4. Plug in the AM-101 with the button still pressed.
5. Wait approximately 30 seconds or until the front LED turns green.
6. Release the reset button.
7. Unplug the AM-101.
8. Plug in the AM-101.

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Supplemental Guide – DOC. 7918C
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12.17
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