


Crestron **ADMS-G2**
Intermedia Delivery System™

Operations Guide





Important Safety Instructions

- Read these instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Use only with the cart, stand, tripod, bracket or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. 
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Disconnect power prior to connecting or disconnecting equipment.
- Do not install in direct sunlight.
- The apparatus must be installed in a way that the power cord can be removed either from the wall outlet or from the device itself in order to disconnect the mains power.
- Prevent foreign objects from entering the device.

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE. THE APPARATUS SHALL NOT BE EXPOSED TO DRIPPING OR SPLASHING. OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHOULD NOT BE PLACED ON THE APPARATUS.

WARNING:

TO PREVENT ELECTRIC SHOCK, DO NOT REMOVE COVER. THERE ARE NO USER SERVICEABLE PARTS INSIDE. ONLY QUALIFIED SERVICE PERSONNEL SHOULD PERFORM SERVICE.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING:

THIS IS AN APPARATUS WITH CLASS I CONSTRUCTION. IT SHALL BE CONNECTED TO AN ELECTRICAL OUTLET WITH AN EARTHING GROUND TERMINAL.

IMPORTANT:

The ADMS-G2 can be used with Class 2 output wiring.

Regulatory Compliance

As of the date of manufacture, the ADMS-G2 has been tested and found to comply with specifications for CE marking and standards per EMC and Radiocommunications Compliance Labelling.



Federal Communications Commission (FCC) Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following conditions:

(1) This device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

Industry Canada (IC) Compliance Statement

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

The specific patents that cover Crestron products are listed at patents.crestron.com.

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Intermedia Delivery System™ : ADMS-G2

Introduction

The ADMS-G2 Intermedia Delivery System™ transforms the way you experience all of today's vast and varied media, from TV programs and movies to home videos, music, and the Internet. The ADMS-G2 lets you effortlessly find and enjoy the content you want, whether it exists on a local hard drive or network share, an online store or the World Wide Web. As the centerpiece of your Crestron® home entertainment system, the ADMS-G2 replaces the disc players, media servers, HTPCs and set-top boxes that you used to need, providing one elegant, integrated solution for accessing all your high-definition movies, music, Internet TV, home videos, photos, and Web-based content.

The ADMS-G2 is the latest generation ADMS-G2 featuring a leaner, greener package with enhanced performance and many new features including Pandora® Internet radio, Vudu™, expanded audio output capabilities, support for 3D, and new networking and control capabilities.

Features and Functions

- A smaller, more affordable ADMS with new features and enhanced performance
- A new evolution in home entertainment that simplifies how digital media content is acquired and managed
- Provides seamless access to feature films, music, TV episodes, streaming videos, home movies & photos, and the Internet
- WorldSearch® quickly finds any kind of content from your local media library and the Internet
- Stylish and intuitive onscreen menus with high-res cover art and metadata display
- Embedded Netflix®, Hulu®, Vude, YouTube®, Pandora® and more!^{1,2}

(Continued on following page)

1. Accessing Hulu Plus content requires an active Hulu Plus account. Refer to www.hulu.com for details.
2. Accessing Netflix content requires an active Netflix Watch Instantly account. Refer to www.netflix.com for details.

Features and Functions

(Continued)

- Built-in secure Web browser with Flash® and Silverlight® plug-ins
- HDMI® digital AV theater zone output
- True HD 1080p video with 3D, Deep Color, and HDCP support
- Dolby® TrueHD, DTS-HD®, or PCM 7.1 surround sound up to 192k/24-bit
- Two additional stereo audio zone outputs
- Simultaneous S/PDIF and analog audio signals from all three zones
- Stereo downmix of multi-channel surround sound available on the SPDIF and analog theater outputs
- Audiophile sound quality with support for FLAC, WAV, WMA Lossless, iTunes Plus® & MP3
- 1 TB internal hard drive optimized for HD multimedia
- Expandable storage via NAS or Windows® Home Server
- ADMS Connect® software enables easy media upload and synchronization with Windows PC or Mac®
- Crestron Home® GUI enables onscreen control over lighting, climate, security, and AV¹
- Fully controllable using optional wireless keyboard² or handheld remote¹
- Allows enhanced touch screen browsing and control from any room¹
- CEC pass-through from the control system via HDMI
- Wake on LAN and remote shutdown
- Gigabit Ethernet connectivity
- Built-in universal power supply
- Compact 2-space 19" rack-mountable chassis

A New Standard in Media Delivery

In today's unruly world of multimedia options, with its mind-boggling array of media formats, software applications, set-top boxes, and proprietary user interfaces, the ADMS-G2 brings together all the fragments into one cohesive user experience called Intermedia Delivery™.

Giving you the power to acquire and manage virtually any content you desire is what Intermedia Delivery is all about. The ADMS-G2 provides a streamlined solution for storing and playing all your digital videos, music, photos and home movies. It also delivers a seamless online experience, letting you rent and/or purchase major motion pictures from Netflix® and Vudu, stream videos from YouTube® and Vimeo®, listen to Pandora Internet radio, and watch your favorite news, sports, and TV shows through Hulu® and Hulu Plus³, Metacafe®, ESPN®, CNN®, and numerous other top providers. Built-in Web browsing completes the experience, giving you full access to all that the Internet has to offer without leaving the comfort of your home theater or living room sofa.

1. Requires a Crestron or Prodigy control system plus additional equipment and programming by an authorized Crestron dealer, sold separately.
2. Item(s) sold separately.
3. Accessing Hulu Plus content requires an active Hulu Plus account. Refer to www.hulu.com for details.

The World is Your Server™

It is an online world, and the ADMS-G2's exclusive WorldSearch® feature gives you the power to conquer it. Simply enter a title, actor, or any other subject and you are instantly gratified with an organized list of relevant content including full-length feature films and TV shows, clips and trailers, outtakes and interviews, and song tracks. WorldSearch combs the entire media library on your ADMS-G2 and other network drives, along with a plethora of online resources. With WorldSearch, you do not need to know where to look — you only need to know what you want.

Whether you just want to find a specific TV episode or viral video, or explore everything there is to know about a certain sports figure or the making of the latest blockbuster movie, WorldSearch finds exactly what you want — plus a wealth of other media of interest to enhance your enjoyment and expand your knowledge. WorldSearch lets you manage where to look and how to sort the results, listing everything clearly in a stylish onscreen menu with detailed information accompanied by a screen grab image or cover artwork.

On Demand and Always On Hand

The ADMS-G2 gives you more ways to enjoy feature length movies and television programming on your HD display:

- **Netflix** — Native Netflix delivers instant access to a huge online catalog of new releases, classic films, and TV episodes. The ADMS-G2 offers a Netflix experience like no other, browsing effortlessly through the colorful menu of high-res cover artwork, viewing details for each title, quickly locating specific titles and HD content, and adding favorites to your Instant Queue.¹
- **Hulu & Internet TV** — With so much programming now available on the Internet, you may never watch conventional television again. The ADMS-G2 delivers an intuitive and inviting way to enjoy Internet TV without ever needing to log onto a computer or open a Web browser. Crestron continues to expand the ADMS-G2's offering of Internet TV services featuring top providers like Hulu and Hulu Plus², Metacafe, Comedy Central, ESPN, NFL®, NBA®, CNN, and ABC News.
- **High-Definition Movies & Video** — With support for the most popular video file formats, the ADMS-G2 allows seamless integration of an entire movie collection into your personal media library. Browsing through your movies is fun and easy, viewing high-res cover art, movie synopses and cast information for each title, with the ability to search by title, actor, director, genre, and other criteria. Once you have made your selection, the ADMS-G2 responds immediately with none of the waiting typical of a common disc player, and all your movies in one place.
- **YouTube & More** — Instead of huddling around the computer, let the whole family relax and enjoy entertaining and informative online videos right on your HD display through YouTube, Vimeo, and other sites.

1. Accessing Netflix content requires an active Netflix Watch Instantly account. Refer to www.netflix.com for details.

2. Accessing Hulu Plus content requires an active Hulu Plus account. Refer to www.hulu.com for details.

- **Web Browser** — In addition to all its native movie and TV resources, the ADMS-G2 also features an integrated Web browser providing access to all kinds of other streaming and downloadable content through your HDTV. Optimized for your HD display, the ADMS-G2 browser includes Adobe® Flash® and Microsoft® Silverlight® plug-ins to ensure compatibility with virtually any Web site or streaming content.

Music Access to the Max

The ADMS-G2 is not just for home theater — it is also an audiophile grade music server for your whole house. Imagine having your entire music collection hosted on one intelligent device, with the ability to play any track, album, or playlist in seconds using the onscreen display or touch screens throughout the home¹. The ADMS-G2 supports a wide range of lossless and compressed audio file formats including Windows Media®, iTunes Plus®, MP3 and FLAC, with enhanced support for cover art and metadata. Its three independent audio outputs afford seamless integration with the Sonnex™ Multiroom Audio System^{1,2}, allowing listeners in different rooms to each enjoy their own playlists and podcasts.

Pandora Internet Radio

Just enter the name of any musical artist, song, or composer and Pandora instantly creates a “station” streaming related music for your listening pleasure. Pandora provides metadata information about the current playing song on your HDTV screen or touch screen along with album cover art and user controls for ranking and bookmarking. The ADMS-G2 allows three simultaneous Pandora stations to play at once through each of its three zone outputs.

A Photo Album for the New Age

What better place to view your family photos and home movies than on your high-definition video screen? ADMS-G2 provides an ideal asset for storing and displaying all your personal media files, offering the ability to organize your photos and videos into album folders, edit metadata for each file, and display them individually or as a stylized slideshow. The ADMS-G2 is compatible with a complete range of standard and high-definition file formats from digital cameras, camcorders, and mobile phones.

The Whole Internet on your HDTV

Why leave the comfort of your theater or living room when the ADMS-G2 gives you full access to the Internet right on your HDTV? All your favorite Web sites are accessible through the ADMS-G2's integrated Web browser, letting you look up sports stats, check your online auctions, even sign on to Twitter® or Facebook® right from your favorite chair. Developed to provide an optimal full-screen HD experience, the ADMS-G2 browser is also secure and safe from malicious viruses and spyware so you can surf the Internet without fear of corrupting the system or losing your precious data.

1. Requires a Crestron control system plus additional equipment and programming by an authorized Crestron dealer, sold separately.
2. Item(s) sold separately.

I Sync, Therefore I Am Easy To Use

Managing the music, video, photo, and home movie files on your ADMS-G2 could not be simpler thanks to ADMS Connect® software. ADMS Connect continuously monitors the media folders on your Windows® PC or Mac® computer (or network drive) and copies new files to the ADMS-G2 media library automatically as they are added. It can also be used to copy files manually. Using ADMS Connect, it is easy to keep your ADMS-G2 in sync with your computer whether you use iTunes®, Windows Media Player, or any other media application.

Boundless Media Storage

Storing your complete media collection can take a lot of disc space. The ADMS-G2 includes an internal hard drive optimized for HD multimedia, providing nearly 1 terabyte of onboard storage — enough to handle approximately 45,000 songs in high-quality WMA Lossless format or over 400 standard-definition movies. Expanding the ADMS-G2's media capacity is enabled using one or more NAS (Network Attached Storage) units or Windows Home Servers.

High-Definition Multimedia Interface®

The ADMS-G2 employs accelerated HD graphics and enhanced audio processing for the best possible home theater experience. Its HDMI® theater output delivers up to 1080p60 HD video with support for Deep Color and 3D. Audio support includes Dolby® TrueHD, DTS-HD®, and linear PCM 7.1 surround sound up to 192k/24-bit.

Through HDMI, the ADMS-G2 configures its output automatically to match the capabilities of your HDTV and audio receiver. Support for HDCP (High-bandwidth Digital Content Protection) ensures trouble-free HD viewing of protected content and complete compatibility with today's AV components. Additional enhancements include the ability to transmit CEC (Consumer Electronics Control) signals from the control system to downstream devices via the ADMS-G2's HDMI connection.

Versatile Audio Outputs

In addition to HDMI, the ADMS-G2 also includes S/PDIF and stereo analog audio outputs for the theater zone, providing a simultaneous stereo downmix signal from both outputs in addition to the HDMI surround sound signal. Surround sound may also be output via S/PDIF in lieu of the HDMI audio output. Simultaneous S/PDIF and analog stereo signals are also provided for each of the two multiroom audio zones.

Control Your Way

ADMS-G2 lets you choose how you control it, with numerous options available. Right out of the box, the ADMS-G2's onscreen display is fully navigable using the optional wireless keyboard (KB-RFUSB*). Easily browse the media library, play any movie or music playlist, peruse the Internet TV guide, find streaming videos with WorldSearch, and surf the Internet, all using one compact keyboard remote.

* Item(s) sold separately.

Of course, the ADMS-G2 affords seamless integration with your Crestron control system, unleashing a wide assortment of control options using Crestron handheld remotes and touch screens, or even mobile devices like the iPhone®, iPad®, or Android™. Its onscreen keyboard allows simple one-handed navigation using any Crestron remote. A wireless touch screen affords the ultimate in control, reproducing the ADMS-G2 onscreen experience within a beautiful color touch screen complete with cover art and metadata. Adding touch screens throughout the house enables full access to your entire media collection from any room. Even video can be distributed to HD displays in any room using a Crestron DigitalMedia™ system.^{1,2}

Integrated Home Control

The onscreen Crestron Home® user interface enables integrated control of lighting, climate, security, AV and other systems throughout the house, all through your HD display.¹

Ultimate Reliability and Support

To ensure continuous reliable operation, new features and security updates for the ADMS-G2 are validated by Crestron and distributed automatically through your broadband connection. The internal Crestron watchdog constantly monitors the status of the ADMS-G2, automatically resetting the system in the event of any problem. Remote access allows your Crestron dealer to assess any issues and restore proper functionality without ever going on site.

Leaner and Greener

The ADMS-G2 saves energy and space, requiring less than half the power of its predecessor and measuring only 3.5 inches (89 mm) tall (2U 19" rack-mountable) and 15.5 inches (394 mm) deep. Wake-on-LAN capability allows the unit to be shut down manually or automatically via the control system to reduce power consumption when not in use.

The Bottom Line

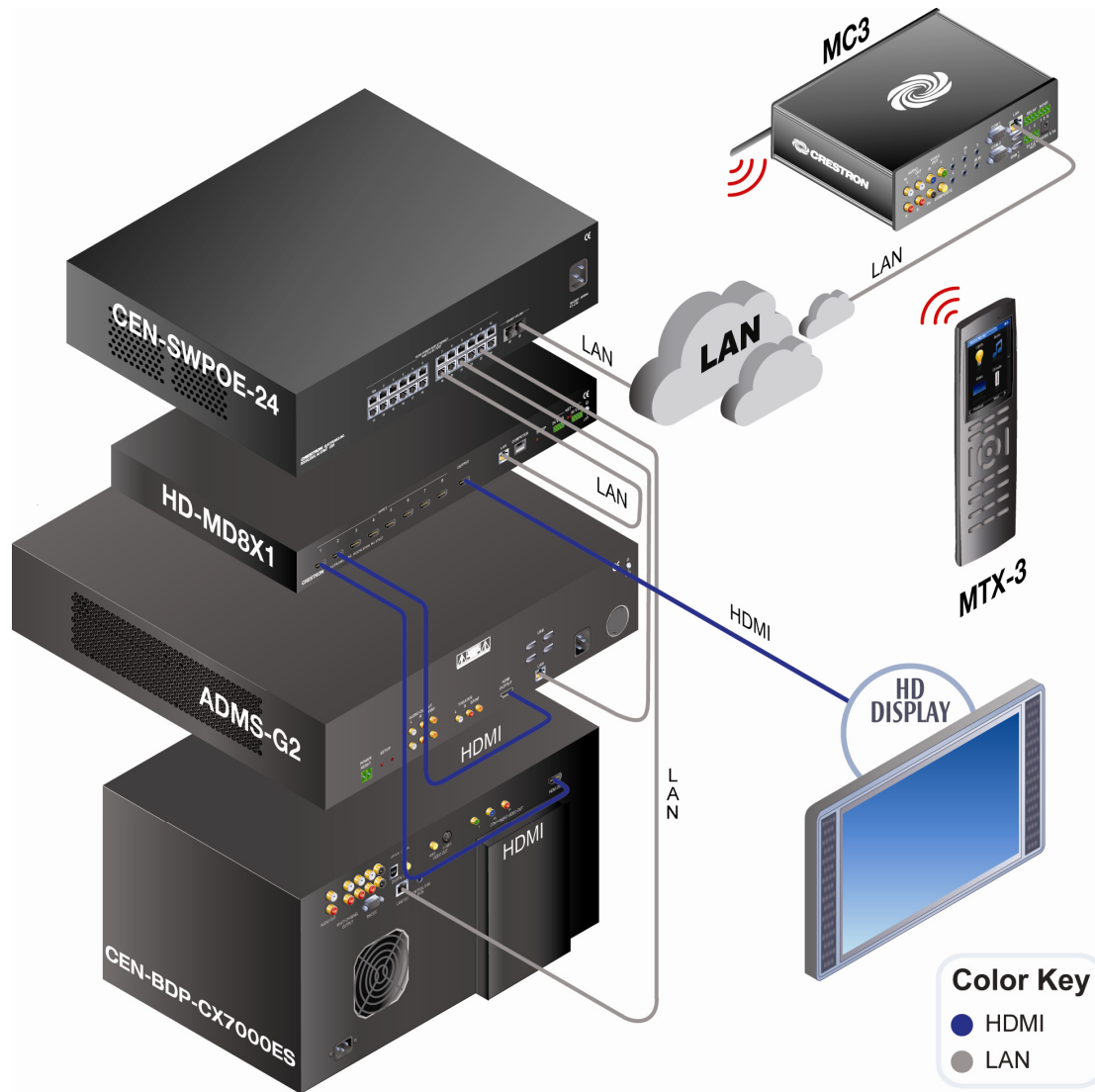
The ADMS-G2 Intermedia Delivery System sets a new standard in home entertainment, reinventing the way you experience digital media. It moves people away from their computer screens to take fuller advantage of their high-definition displays and surround sound systems. It saves precious leisure time by streamlining the effort it takes to find and play content, making the world of digital media friendlier. It enhances the whole entertainment experience, finding more media of interest than you are likely to find by any other means. Simply stated, the ADMS-G2 makes life more fun and interesting!

1. Requires a Crestron control system plus additional equipment and programming by an authorized Crestron dealer, sold separately.
2. Item(s) sold separately.

Applications

The following diagram shows an ADMS-G2 in a residential application.

ADMS-G2 in a Residential Application



Specifications

Specifications for the ADMS-G2 are listed in the following table.

ADMS-G2 Specifications

SPECIFICATION	DETAILS
Storage & Disc Drives	
Internal Hard Drive	1TB SATA Hard Drive, 930GB available for media storage
External Storage Support	NAS, Windows Home Server
Additional Media Support	USB

(Continued on following page)

ADMS-G2 Specifications (Continued)

SPECIFICATION	DETAILS
Embedded Applications	Integrated Web Browser with Adobe Flash and Microsoft Silverlight plug-ins
Graphic Engine (for Home Control GUI)	24-bit non-palette graphics + 8-bit alpha channel transparency, 16.7 million colors, Synapse image rendering algorithm, multi-mode objects, DNav dynamic menu objects, dynamic graphics, PNG translucency, full-motion (60 fps) animation, transition effects
Communications Ethernet HDMI USB	10/100/1000 Mbps, auto-switching, auto-negotiating, auto-discovery, full/half duplex, DHCP; supports wake on LAN and shutdown EDID, CEC (pass-through from control system), HDCP USB 2.0 host ports for external mouse, keyboard, and USB mass storage devices ¹
Video Output Signal Types Output Formats Output Resolutions, Progressive Output Resolutions, Interlaced Video Formats Video Codecs	HDMI HDMI with Deep Color and 3D, HDCP content protection support Up to 1080p60 1080i30 Windows Media (WMV), MPEG (MPG), MPEG2 (MP2), MPEG4 (MP4), MTS, M2TS, ASF, AVI, DV, M4V, MKV, MOV, MPE H.264, Windows Media Video, MPEG1/2, and any codecs built into Windows including MJPEG, Microsoft Video 1, Cinepak, etc.

(Continued on following page)

ADMS-G2 Specifications (Continued)

SPECIFICATION	DETAILS
Output Signal Types, Theater Zone	HDMI, S/PDIF, stereo analog
Output Signal Types, Zones 1 & 2	S/PDIF, stereo analog
Output Formats, Theater Zone, HDMI	Dolby Digital, Dolby Digital EX, Dolby® Digital Plus, Dolby TrueHD, DTS®, DTS-ES, DTS 96/24, DTS-HD High Res, DTS-HD Master Audio™, Up to 8-channel PCM
Output Formats, Theater Zone, SPDIF	Dolby Digital, Dolby Digital EX, DTS, DTS-ES, DTS 96/24, 2ch PCM
Output Formats, Theater Zone, analog	Stereo 2-channel
Output Formats, Zones 1 & 2, SPDIF	2-channel PCM
Output Formats, Zones 1 & 2, analog	Stereo 2-channel
D-A Conversion	Up to 24-bit 96 kHz
Audio Formats, Decode	Windows Media (WMA, WMA-PRO, WMA Lossless), MP3, WAV, M4A, AAC, AIFF, FLAC
Performance (Analog)	
Frequency Response	20 Hz to 20 kHz ±0.3 dB typical
S/N Ratio	>100 dB at 1 kHz A-weighted
THD+N	<0.01% at 1 kHz typical
Channel Separation	100 dB at 1 kHz typical
Photo	
Image Formats	JPEG (JPG, JPE), BMP, GIF
Power Requirements	1.25 Amps @ 100-240 Volts AC, 50/60 Hz; Uninterruptible power supply recommended, Crestron CEN-UPS1250 ² or similar
Minimum 2-Series Control System Update File ^{3,4}	Version 4.001.1012 or later
Environmental	
Temperature	41° to 104° F (5° to 40° C)
Humidity	10% to 90% RH (non-condensing)
Heat Dissipation	802 BTU/Hr
Enclosure	
Chassis	Metal with black finish, rear fan intake and vented sides, silent variable-speed fan-cooled
Front Panel	Plastic, black with polycarbonate label overlay
Mounting	Freestanding or 2U 19-inch rack-mountable (removable feet and rack ears included)

(Continued on following page)

ADMS-G2 Specifications (Continued)

SPECIFICATION	DETAILS
Dimensions	
Height	3.47 in (89 mm), without feet
Width	17.28 in (439 mm), 19.00 in (483 mm) with ears
Depth	15.50 in (394 mm)
Weight	19.5 lb (8.9 kg)
Available Accessories	
KB-RFUSB	Wireless Keyboard for ADMS
CEN-UPS1250	Uninterruptible Power Supply

1. NAS is the recommended external file storage solution for the ADMS-G2. USB should only be used for file transfer and backup.
2. Sold separately.
3. The latest software versions can be obtained from the Crestron Web site. Refer to the NOTE following these footnotes.
4. Crestron 2-Series control systems include the AV2 and PRO2. Consult the latest Crestron Product Catalog for a complete list of 2-Series control systems.

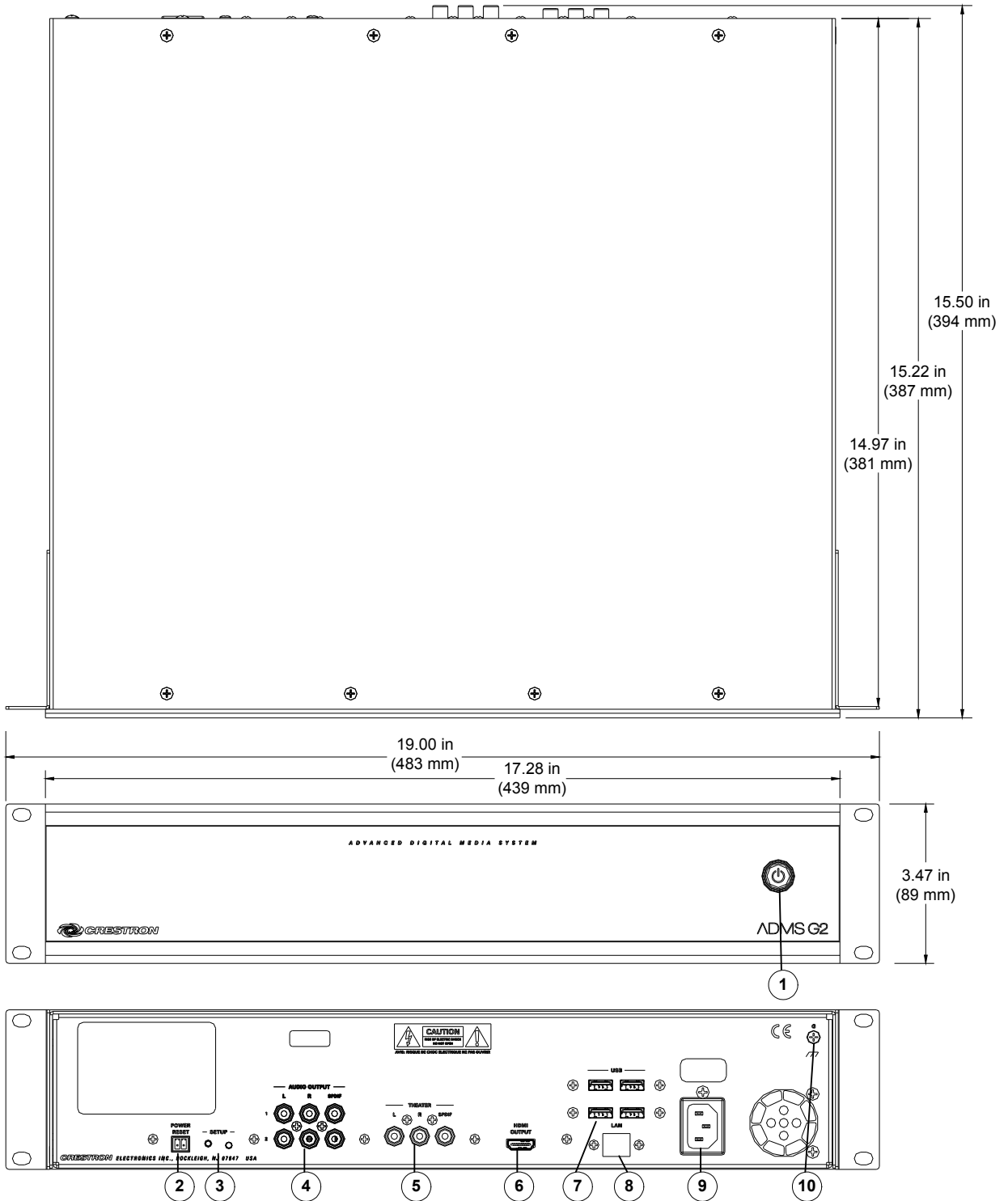
NOTE: Crestron software and any files on the Web site are for authorized Crestron dealers and Crestron Authorized Independent Programmers (CAIPs) only. New users may be required to register to obtain access to certain areas of the site (including the FTP site).

Physical Description










This section provides information on the connections, controls and indicators available on your ADMS-G2.

ADMS-G2 Physical View (Front)*ADMS-G2 Physical View (Rear)*

ADMS-G2 Overall Dimensions

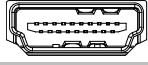
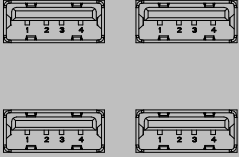
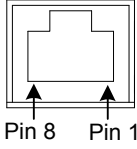
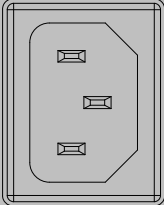



Connectors, Controls & Indicators

#	CONNECTORS*, CONTROLS & INDICATORS	DESCRIPTION								
1	<p>POWER</p> 	(1) Push button with backlight LED indicator Starts or shuts down the operating system								
2	<p>POWER RESET</p> 	<p>(1) 2-pin 3.5mm detachable terminal block Contact closure sensing input for remote system shutdown and restart</p> <table border="1"> <thead> <tr> <th>MODE</th> <th>FUNCTION</th> </tr> </thead> <tbody> <tr> <td>Momentary</td> <td>Shuts down the ADMS</td> </tr> <tr> <td>Momentary Again</td> <td>Restart the ADMS</td> </tr> <tr> <td>Hold for 7 seconds</td> <td>Hard reset; no shutdown processes are run. If writing to disk, corruption can result.</td> </tr> </tbody> </table>	MODE	FUNCTION	Momentary	Shuts down the ADMS	Momentary Again	Restart the ADMS	Hold for 7 seconds	Hard reset; no shutdown processes are run. If writing to disk, corruption can result.
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Momentary Again	Restart the ADMS									
Hold for 7 seconds	Hard reset; no shutdown processes are run. If writing to disk, corruption can result.									
3	<p>SETUP (Button and LED)</p>	(1) Miniature pushbutton and red LED, used for Ethernet autodiscovery and HDMI Video connection availability. Red LED will blink if the HDMI connection fails.								
4	<p>AUDIO OUTPUT</p> <p>L R SPDIF</p> <p>1   </p> <p>2   </p>	<p>(6) RCA female comprising (2) unbalanced stereo line level audio outputs from Zones 1 & 2 and (2) S/PDIF coaxial digital audio outputs from Zones 1 & 2</p> <p>Analog: Maximum output level: 2 V_{rms} Output impedance: 100 Ohms</p> <p>S/PDIF: Output level: 0.5 V_{rms} nominal Output impedance: 75 Ohms</p>								
5	<p>THEATER</p> <p>L R SPDIF</p> 	<p>(3) RCA female comprising (2) unbalanced stereo line level audio outputs from Theater zone and (1) S/PDIF coaxial digital audio output from Theater zone</p> <p>Analog: Maximum output level: 2 V_{rms} Output impedance: 100 Ohms Outputs a stereo downmix of the Theater SPDIF or HDMI signal</p> <p>S/PDIF: Output level: 0.5 V_{rms} nominal Output impedance: 75 Ohms Outputs a stereo downmix if HDMI audio output is also active Outputs surround sound if HDMI audio output is not active</p>								

(Continued on following page)

Connectors, Controls & Indicators (Continued)

#	CONNECTORS*, CONTROLS & INDICATORS	DESCRIPTION																				
6	HDMI OUTPUT 	(1) 19-pin Type A HDMI female; HDMI digital video/audio output																				
7	USB 	(4) USB Type A female, USB 2.0 Host ports																				
8	LAN 	(1) 8-wire RJ-45 with 2 LED indicators, 10/100/1000BASE-T Ethernet port <table border="1" data-bbox="967 695 1430 978"> <thead> <tr> <th>TYPE</th> <th>PIN</th> <th>SIGNALS</th> </tr> </thead> <tbody> <tr> <td rowspan="8">8-Position RJ-45</td> <td>1</td> <td>TX +</td> </tr> <tr> <td>2</td> <td>TX -</td> </tr> <tr> <td>3</td> <td>RX +</td> </tr> <tr> <td>4</td> <td>Connected to pin 5</td> </tr> <tr> <td>5</td> <td>Connected to pin 4</td> </tr> <tr> <td>6</td> <td>RX -</td> </tr> <tr> <td>7</td> <td>Connected to pin 8</td> </tr> <tr> <td>8</td> <td>Connected to pin 7</td> </tr> </tbody> </table>	TYPE	PIN	SIGNALS	8-Position RJ-45	1	TX +	2	TX -	3	RX +	4	Connected to pin 5	5	Connected to pin 4	6	RX -	7	Connected to pin 8	8	Connected to pin 7
TYPE	PIN	SIGNALS																				
8-Position RJ-45	1	TX +																				
	2	TX -																				
	3	RX +																				
	4	Connected to pin 5																				
	5	Connected to pin 4																				
	6	RX -																				
	7	Connected to pin 8																				
	8	Connected to pin 7																				
9	100-240V ~2.8A 50/60Hz 	(1) IEC C14 male chassis plug; Mates with removable power cord (included)																				
10	G 	(1) 6-32 screw, chassis ground lug																				

* Interface connector for the **POWER RESET** port is provided with the unit.

Setup

Network Wiring

When wiring the Ethernet network, consider the following:

- Use Crestron Certified Wire.
- Use Crestron power supplies for Crestron equipment.
- Provide sufficient power to the system.

Unlike other Crestron network devices, the ADMS-G2 does not use Cresnet® for communications between the device and the control system. The ADMS-G2 requires the use of a high-speed Ethernet connection for control system communications.

For general information on connecting Ethernet devices in a Crestron system, refer to the latest version of the Crestron e-Control® Reference Guide (Doc. 6052), which is available from the Crestron Web site (www.crestron.com/manuals).

Identity Code

The IP ID is set within the ADMS-G2's table using the ADMS-G2's Setup menu. For information on setting an IP table, refer to "IP Table" on page 35. The IP IDs of multiple ADMS-G2 devices in the same system must be unique.

When setting the IP ID, consider the following:

- The IP ID of each unit must match an IP ID specified in the SIMPL Windows program.
- Each device using IP to communicate with a control system must have a unique IP ID.

Installation

Ventilation

The ADMS-G2 should be used in a well-ventilated area. The venting holes should not be obstructed under any circumstances.

To prevent overheating, do not operate this product in an area that exceeds the environmental temperature range listed in the table of specifications. Consider using forced air ventilation and/or incrementing the spacing between units to reduce overheating. Consideration must be given if installed in a closed or multi-unit rack assembly since the operating ambient temperature of the environment may be greater than the room ambient temperature. Contact with thermal insulating materials should be avoided on all sides of the unit.

Rack Mounting

The ADMS-G2 can be mounted in a rack or stacked with other equipment. Two "ears" are provided with the ADMS-G2 so that the unit can be rack mounted. These ears must be installed prior to mounting. Complete the following procedure to attach the ears to the unit. The only tool required is a #2 Phillips screwdriver.

WARNING: To prevent bodily injury when mounting or servicing this unit in a rack, take special precautions to ensure that the system remains stable. The following guidelines are provided to ensure your safety:

- When mounting this unit in a partially filled rack, load the rack from the bottom to the top with the heaviest component at the bottom of the rack.

- If the rack is provided with stabilizing devices, install the stabilizers before mounting or servicing the unit in the rack.

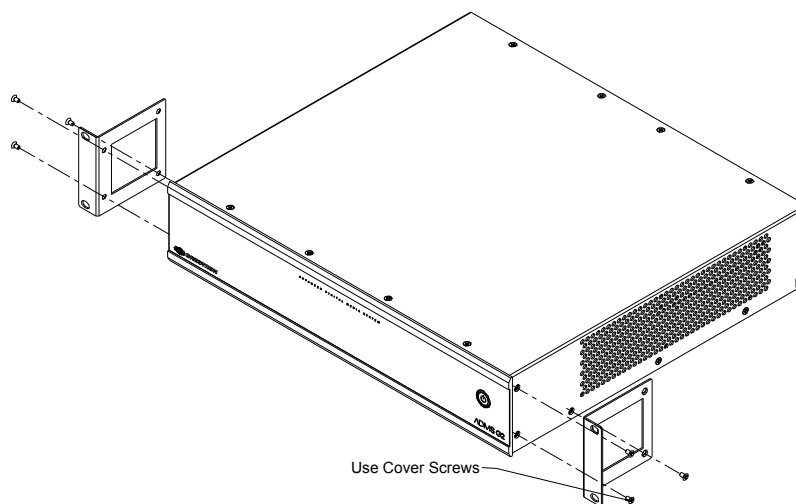
NOTE: If rack mounting is not required, rubber feet are provided for tabletop mounting or stacking. Apply the feet near the corner edges on the underside of the unit.

NOTE: Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).

To install the ears:

1. There are screws that secure each side of the ADMS-G2 top cover. Using a #2 Phillips screwdriver, remove the three screws closest to the front panel from one side of the unit. Refer to the diagram following step 3 for a detailed view.
2. Position a rack ear so that its mounting holes align with the holes vacated by the screws in step 1.
3. Secure the ear to the unit with three screws from step 1, as shown in the following diagram.

Ear Attachment for Rack Mounting



4. Repeat procedure (steps 1 through 3) to attach the remaining ear to the opposite side.

Stacking

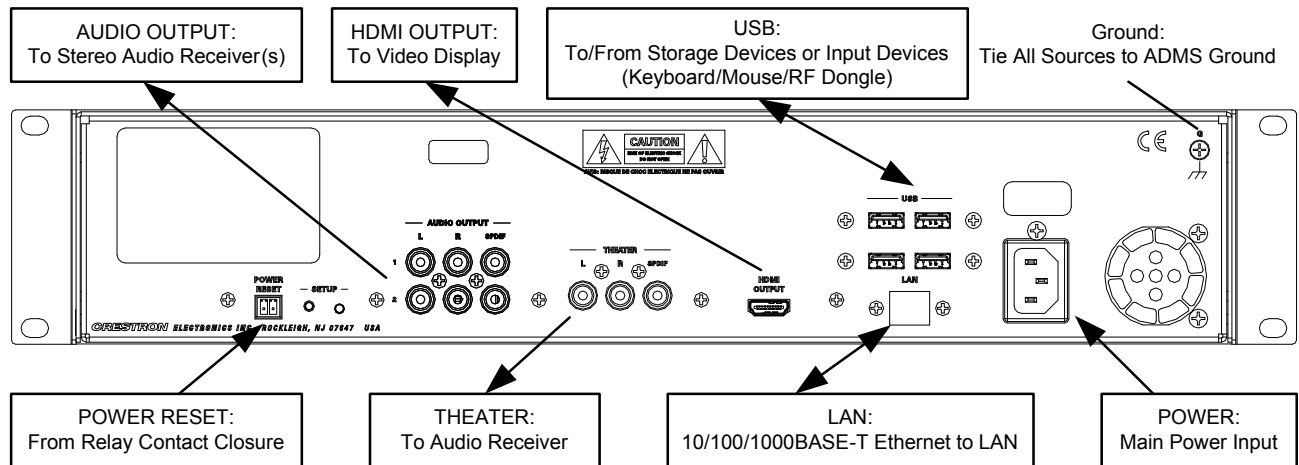
Four “feet” are provided with the ADMS-G2 so that if the unit is not rack mounted, the rubber feet can provide stability when the unit is placed on a flat surface or stacked. These feet should be attached on the bottom of the unit, at the corners, prior to the hookup procedure.

NOTE: No more than two ADMS-G2 units should be stacked.

Hardware Hookup

Make the necessary connections as called out in the illustration that follows this paragraph. Apply power after all connections have been made.

Hardware Connections for the ADMS-G2



NOTE: When installing an ADMS-G2, Crestron recommends an uninterruptable power supply such as the CEN-UPS1250 Uninterruptible Power Supply.

NOTE: Ensure the unit is properly grounded by connecting the chassis ground lug to an earth ground (building steel).

NOTE: To prevent overheating, do not operate this product in an area that exceeds the environmental temperature range listed in the table of specifications.

Configure the ADMS

The ADMS-G2 must be configured prior to operation. Use the ADMS-G2's On-Screen-Display (OSD) to configure the ADMS-G2.

Required Equipment

The following items (not included) are required to configure the ADMS:

- Keyboard (USB)
- Mouse (USB)
- Display
- LAN connection

For information on making these connections, refer to “Hardware Hookup” on page 16.

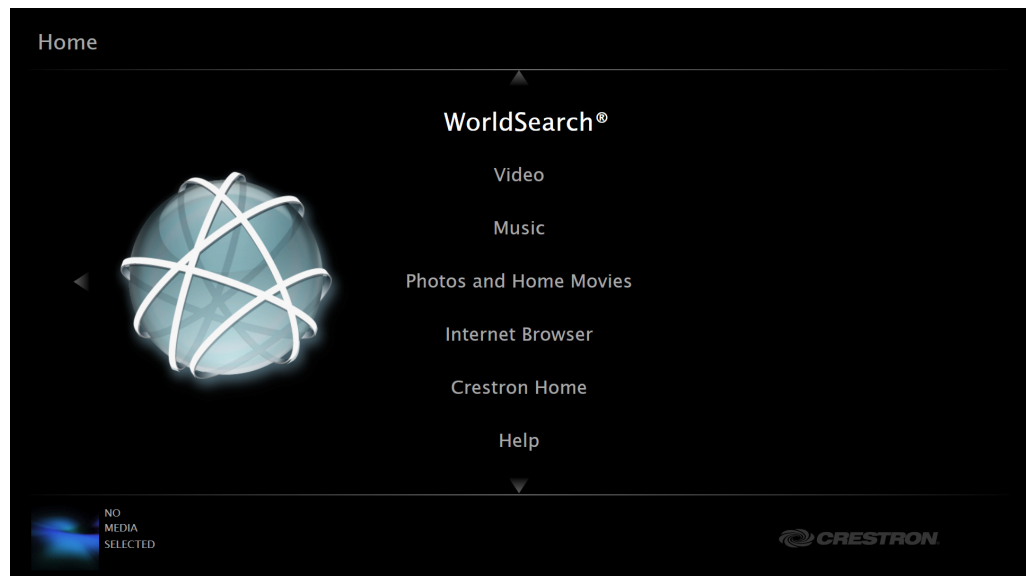
Open the Setup menu

The Setup menu is used to configure the ADMS-G2. To open the Setup menu:

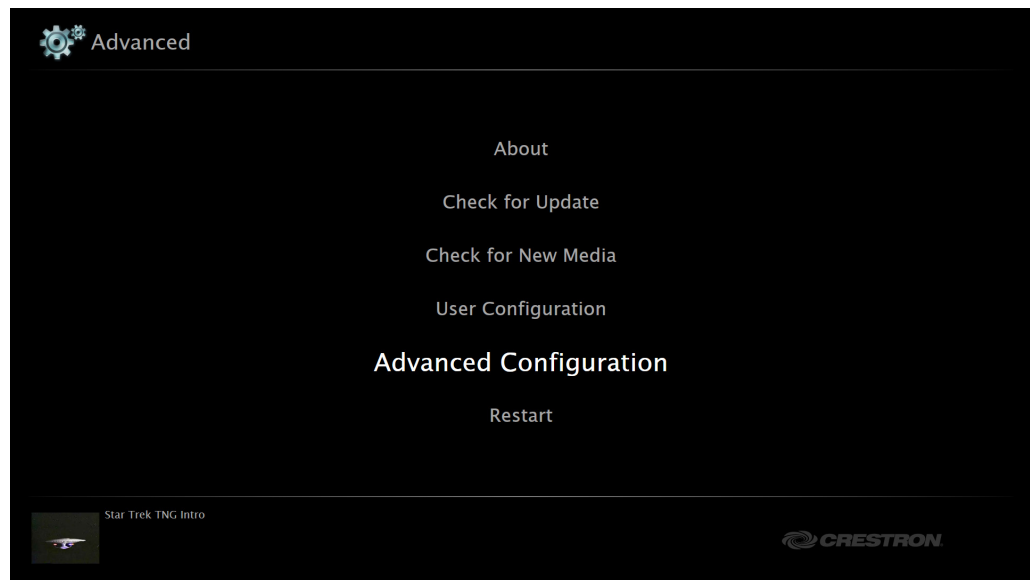
1. Ensure that the required equipment described above is connected. The display should be turned on and switched to the appropriate input.
2. Press the **POWER** button on the front of the ADMS-G2. After the ADMS-G2 completes its startup procedure, the End User License Agreement (EULA) is displayed.
3. Click **Accept** to accept the EULA and continue. The ADMS-G2's “Home” menu is displayed.

NOTE: Prior to delivery, reset the EULA as described in “Version Information” on page 41.

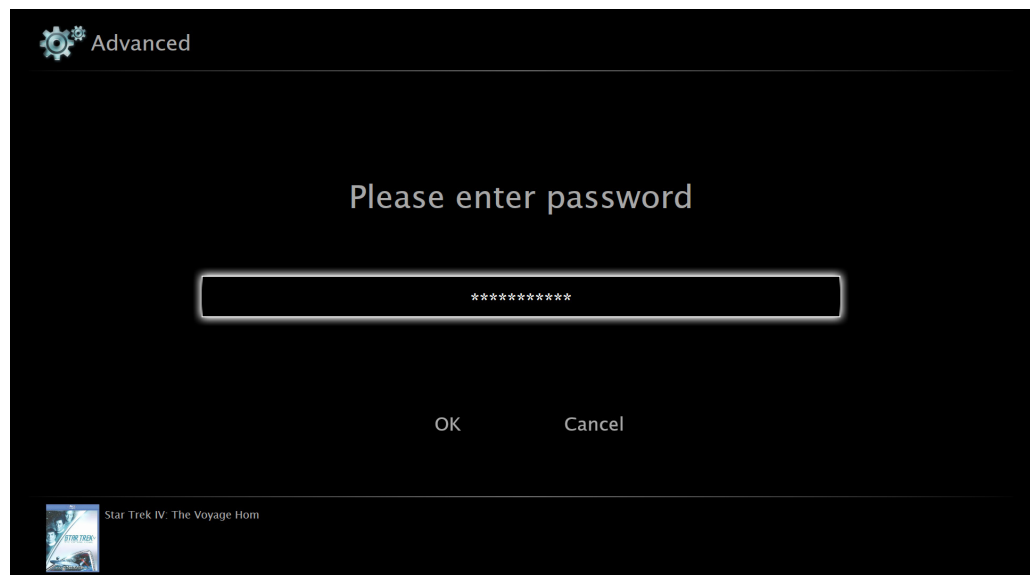
ADMS-G2 “Home” Menu



4. Press the down arrow (↓) to highlight *Advanced* and press **Enter**. The “Advanced” menu is displayed.

“Advanced” Menu

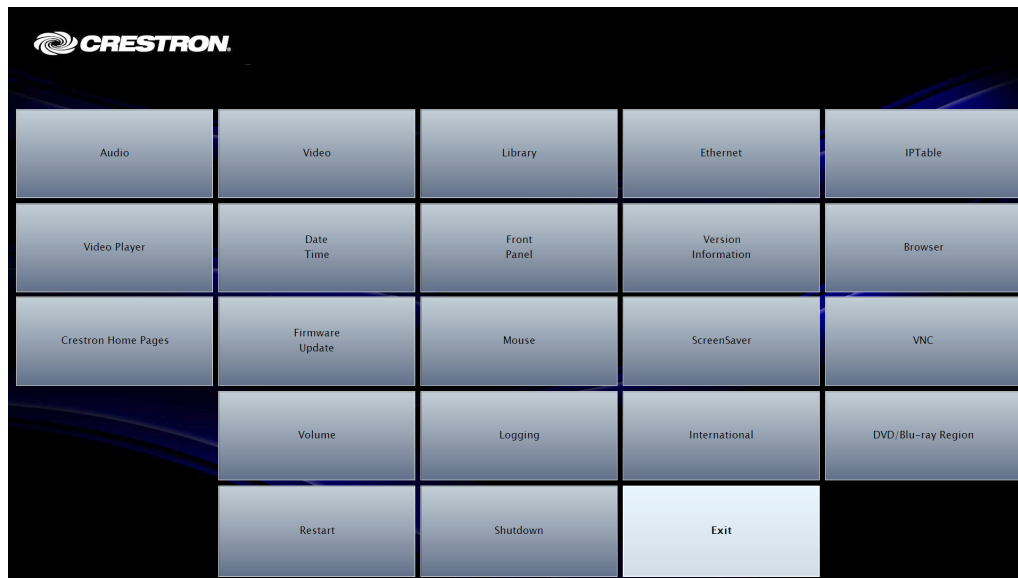
5. Press the down arrow (↓) to highlight *Advanced Configuration* and press **Enter**. The “Advanced” login prompt is displayed.

“Advanced” Login Prompt

6. Enter the password *dealeradmin* and press **Enter**. The Setup menu is displayed.

The Setup Menu

Setup Menu



The Setup menu is divided into the following sections to configure the ADMS:

- **Audio:** Configures the ADMS-G2's audio outputs.
- **Video:** Configures the ADMS-G2's video output signal.
- **Library:** Configures the ADMS-G2's media library settings.
- **Ethernet:** Configures the ADMS-G2's Ethernet settings.
- **IP Table:** Configures the ADMS-G2's IP table.
- **Video Player:** Configures the ADMS-G2's video player.
- **Date Time:** Configures the ADMS-G2's date and time settings.
- **Front Panel:** Configures the brightness of the **POWER** button on the ADMS-G2's front panel.
- **Version Information:** Displays the ADMS-G2's software version information.
- **Browser:** Configures the ADMS-G2's Internet browser security settings.
- **Crestron Home Pages:** Selects the compiled Crestron VisionTools® (VT Pro-e®) project to be used to operate the ADMS-G2 in a Crestron Home environment.
- **Firmware Update:** Used to update the ADMS-G2's firmware.
- **Mouse:** Configures the keyboard when functioning as a mouse.
- **ScreenSaver:** Configures the ADMS-G2's screensaver.
- **VNC:** Configures the ADMS-G2 for remote tech support
- **Volume:** Configures the theater and audio output volume levels for videos, music, and Pandora
- **Logging:** Configures the ADMS-G2's logging function.

- **International:** Configures the ADMS-G2 for Internet video services.
- **DVD/Blu-ray Region:** Configures the region setting for the DVD and Blu-ray Disc® titles.
- **Restart:** Restarts the ADMS-G2.
- **Shutdown:** Shuts down the ADMS-G2.
- **Exit:** Exits the Setup menu and returns the ADMS-G2 to normal operation.

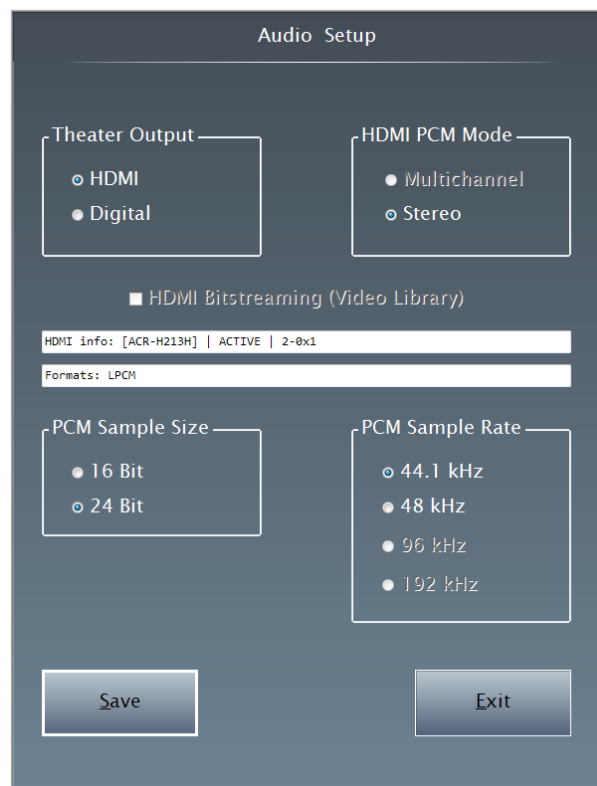
Click the name of the section to configure.

Audio

To configure the audio outputs:

1. Open the Setup menu as described on page 17 and click **Audio**. The “Audio Setup” window is displayed.

“Audio Setup” Window



2. Using the mouse, configure the following:
 - **Theater Output:** Choose the *HDMI* or *Digital* (SPDIF) output.

NOTE: With *HDMI* selected, the analog and digital outputs carry the stereo downmix. With *Digital* selected, only the analog output carries the downmix.

When set to *HDMI*:

- *HDMI Bitstreaming* is enabled if the downstream receiver or TV supports any compressed audio format as per the Extended Display Identification Data (EDID).
- The *PCM Sample Size* and *PCM Sample Rate* selections are enabled as per the EDID.
- If *HDMI Bitstreaming* is selected, then only *Stereo* is available as an *HDMI PCM Mode*. If *HDMI Bitstreaming* is un-selected, *Multichannel PCM Mode* is available if the EDID reports more than two channels.
- If an EDID change means the current selection is unavailable, an error dialog is displayed when **Save** is clicked.

When set to *Digital*:

- 16 and 24 bit are always available for *PCM Sample Size*
- 44.1, 48 and 96 kHz are always available for *PCM Sample Rate* (192 kHz is unavailable for selection).
- *HDMI PCM Mode* and *HDMI Bitstreaming* are unavailable for selection.
- **HDMI PCM Mode** (For HDMI output only): Specifies what PCM source is sent over HDMI to the receiver. Choose from *Multichannel* or *Stereo* sound.
 - **Multichannel**: Speaker configuration can be any setup using more than left and right speakers (i.e. 5.1, 7.1).
 - **Stereo**: Speaker configuration consists of left and right speakers.
- **HDMI Bitstreaming (Video Library)**: Enabling *HDMI Bitstreaming* allows compressed audio to be sent to a connected receiver.
- **PCM Sample Size**: Specifies the sample size used for PCM audio being sent to a connected receiver. This value is applied to the SPDIF and HDMI outputs. Choose *16 Bit* or *24 Bit*.
- **PCM Sample Rate**: Specifies the number of samples per second for PCM audio sent to a connected receiver. This value is applied to the SPDIF and HDMI outputs. Choose from *44.1 kHz* up to *192 kHz* (depending on source).

NOTE: For optimal performance, the recommended settings are:

- **Theater Output:** *HDMI*
 - **HDMI Bitstreaming (Video Library):** Selected (on)
 - **HDMI PCM Mode:** *Stereo*
 - **PCM Sample Size:** *16 Bit*
 - **PCM Sample Rate:** *44.1 kHz*
-

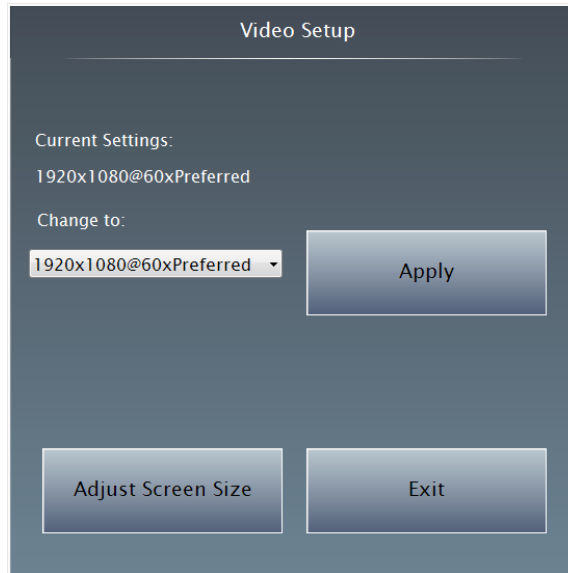
3. Click **Save** to save the settings and return to the Setup menu. To cancel and return to the Setup menu, click **Exit**.

Video

To configure the video output:

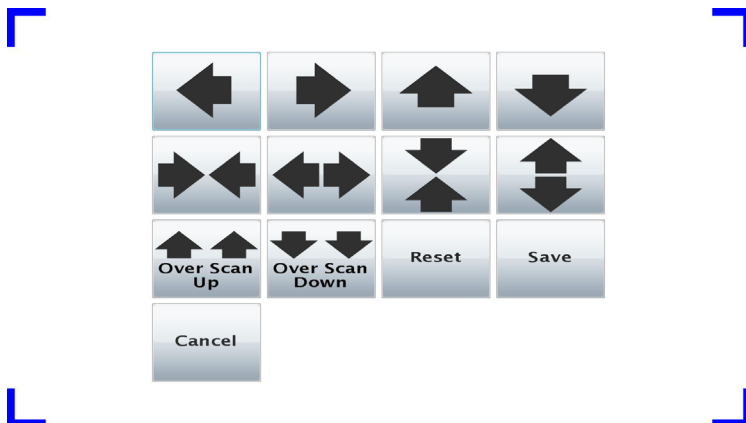
1. Open the Setup menu as described on page 17 and click **Video**. The “Video Setup” window showing the current settings is displayed.

“Video Setup” Window



2. To change the setting, use the mouse to select the new setting from the *Change to* dropdown list.
3. Click **Apply** to apply any new settings.
4. Click **Adjust Screen Size** to adjust the screen size.

Screen Size Controls

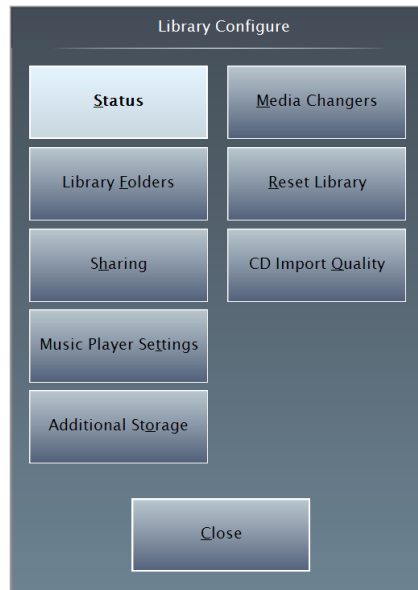


- a. Click on the screen size controls.
 - b. Click **Save** to save the current setting. Click **Reset** to return to the factory settings. Click **Cancel** to return to the “Video Setup” window.
5. Click **Exit** to return to the Setup menu. If a new setting was applied, it is saved.

Library

To view and configure the ADMS-G2’s media library, open the Setup menu as described on page 17 and click **Library**. The “Library Configure” window is displayed.

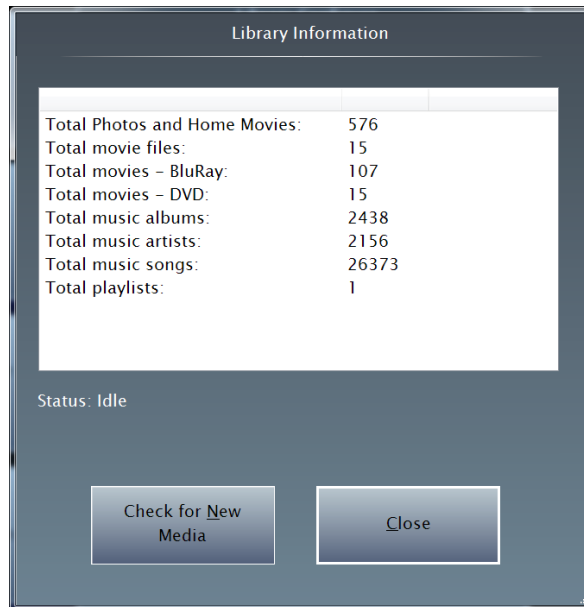
“Library Configure” Window



NOTE: The **CD Import Quality** button is disabled.

- **Status:** To view the status of the ADMS-G2’s media library, click **Status**. The information about the media library is displayed.

“Library Information” Window

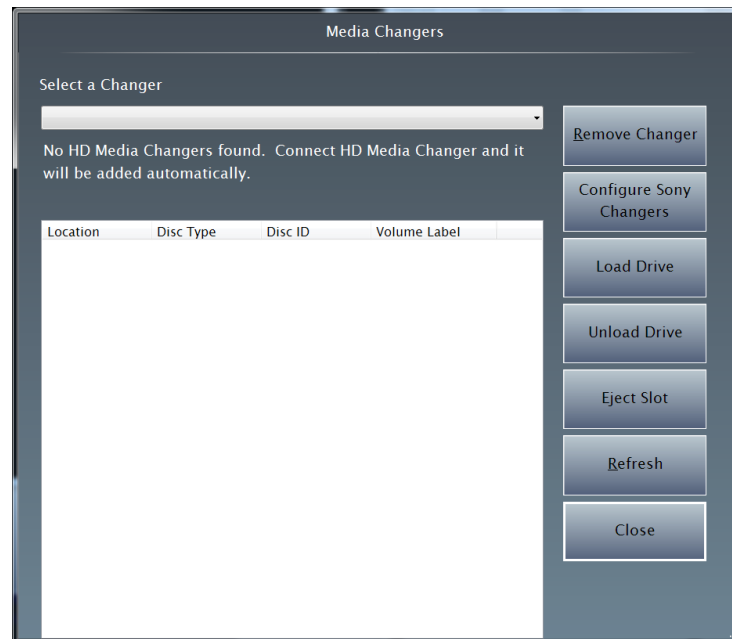


To update the data, click **Check for New Media**. To close the window, click **Close**.

- **Media Changers:** Up to seven CEN-BDP-CX7000ES Sony® 400 Disc Blu-ray/DVD ES MegaChangers can be connected to the ADMS-G2. CEN-BDP-CX7000ES devices connect to the ADMS-G2 over Ethernet. To manage the connected media changers, click **Media Changers**. The “Media Changers” window opens.

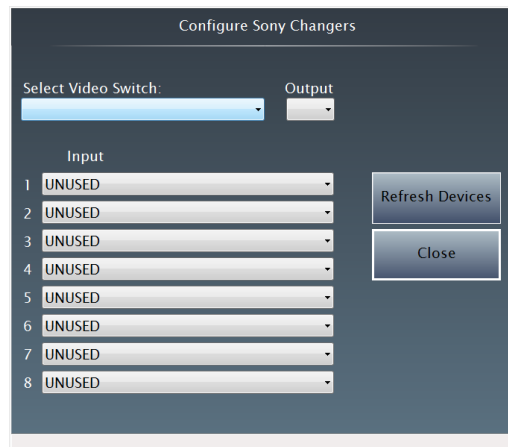
NOTE: The CEN-BDP-CX7000ES is discontinued and is only available in limited quantities. Please contact Crestron for details.

“Media Changers” Window



- ⇒ Select a changer to manage from the dropdown list at the top of the window.
- ⇒ To remove a changer, use the mouse to select a changer from the dropdown list at the top of the window and click **Remove Changer**.
- ⇒ To configure a CEN-BDP-CX7000ES and HD-MD8X1 switcher to work with the ADMS-G2, click **Configure Sony Changers**.

NOTE: For detailed instructions on using a CEN-BDP-CX7000ES with the ADMS-G2, refer to the latest version of the CEN-BDP-CX7000ES Quickstart Guide (Doc. 7103) which is available for download from the Crestron Web site (www.crestron.com/manuals).

“Configure Sony Changers” Window

1. Use the mouse to select an HD-MD8X1 video switch from the dropdown list.
2. Assign the ADMS-G2 and the HDMI output of each CEN-BDP-CX7000ES to an input on the HD-MD8X1 switcher.

NOTE: If a changer or switcher is not shown in the dropdown list, click **Refresh Devices**.

NOTE: If a switcher input has a device assigned to it, the device's output must be connected to the specified input on the switcher.

3. When all of the connected devices are assigned to an input, click **Close** and return to the “Media Changers” window.

For more information on using a CEN-BDP-CX7000ES with the ADMS-G2, refer to the latest version of the CEN-BDP-CX7000ES Quickstart Guide (Doc. 7103).

- ⇒ **Load Drive:** Loads the contents of the selected slot into the physical drive for adding to the library.

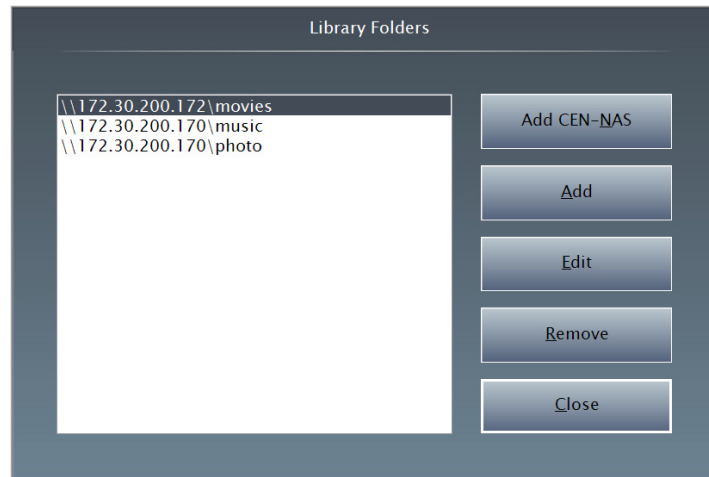
When discs are loaded into the CEN-BDP-CX7000ES, the ADMS-G2 automatically loads the movie into the video library, and performs the meta-data lookups. A status icon is displayed on the ADMS-G2's main menu while a disc is imported into the video library.

NOTE: Importing a full changer into the ADMS-G2's library requires several hours. During this time do not unplug any of the connections between the ADMS-G2 and the CEN-BDP-CX7000ES. Do not unplug power from the ADMS-G2 or CEN-BDP-CX7000ES.

- ⇒ **Unload Drive:** Returns any disc in the drive to its slot.
- ⇒ **Eject Slot:** Ejects the disc (if any) contained in the selected slot.
- ⇒ **Refresh:** Refreshes the display (since discs are normally scanned when loaded, this function is not needed during normal operation).
- ⇒ **Close:** Closes the “Media Changers” window.

- ⇒ **Scan All** (not shown): Rescans the connected media changer(s) if the media library was reset. For information on resetting the media library, refer to “Reset Library” on page 29.
- **Library Folders:** To view, add, delete, or edit CEN-NAS-4TB network storage devices and folder locations used by the ADMS-G2, click **Library Folders**.

“Library Folders” Window



⇒ **Add CEN-NAS:** To add a CEN-NAS-4TB 4TB Network Attached Storage to the media library:

1. Click **Add CEN-NAS**. Any connected CEN-NAS-4TB devices are automatically detected and added to the library. The “Add Network Storage” window is displayed.

“Add Network Storage” Window

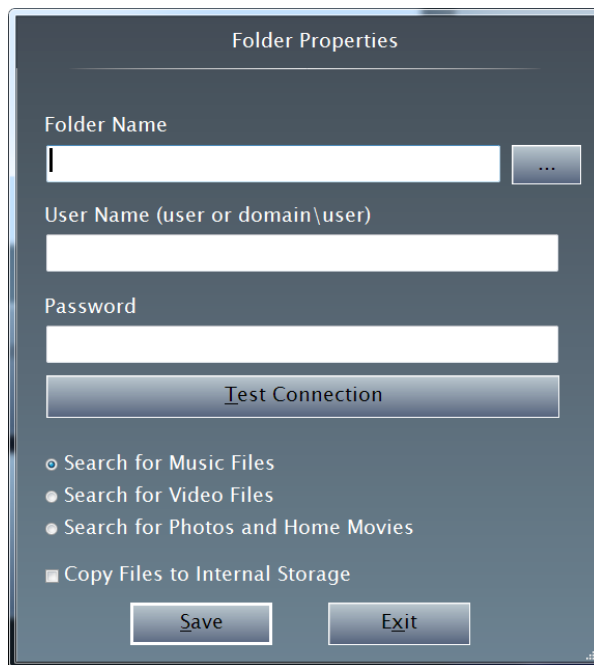
NOTE: In order for the ADMS-G2 to automatically detect the CEN-NAS-4TB, the devices must be on the same subnet. If the devices are on different subnets, click **Add** instead of **Add CEN-NAS** in the “Library Folders” window. Manually add the **CEN-NAS-4TB** as described in “Add” which starts on page 27.

2. Enter the user name and password and click **Save**.

To remove the CEN-NAS-4TB from the list of available devices, click **Do Not Use**.

- ⇒ **Add:** To add a folder on a network drive or portable storage device that contains media files, click **Add**. The “Folder Properties” window opens.

“Folder Properties” Window



1. In the *Folder Name* field, enter the network location of the media folder. The full path is required. To browse to the folder, click ... and navigate to the folder containing the media to be added.
2. If the network folder requires a user name (user or domain\user) and password, type them in the *User Name* and *Password* fields.
3. To test the connection to the media folder, click **Test Connection**. If successful, a message is displayed.
4. The ADMS-G2 can search for audio files, video files, or pictures and home movies. To specify which file types the ADMS-G2 is to search for, use the mouse to select the appropriate file type.

NOTE: If audio and video file types exist in the same folder, a separate library folder entry must be created for each file type.

5. Media in the network folder or portable storage device (USB mass storage, USB Flash drive, etc.) can be copied to the ADMS-G2's internal storage. To have media in network folders copied to the ADMS-G2's internal hard drive, use the mouse to select *Copy Files to Internal Storage*.

NOTE: This option should be used when using files contained on a portable storage device. Portable storage devices should not be used as a long-term storage solution.

- Click **Save** to add the folder to the media library. To exit without saving click **Exit**.

NOTE: The ADMS-G2 can also add existing media files to its library using the ADMS Connect application. For more information, refer to “ADMS Connect” on page 53.

⇒ **Edit:** To edit a listed library folder that contains media files, click on the folder to be edited, then click **Edit**. The “Folder Properties” window opens.

“Folder Properties” Window

- In the *Folder Name* field, enter the network location of the media folder. The full path is required. To browse to the folder, click ... and navigate to the folder containing the media to be added.
- If the network folder requires a user name (user or domain\user) and password, type them in the *User Name* and *Password* fields.
- To test the connection to the media folder, click **Test Connection**. If successful, a message is displayed.
- The ADMS-G2 can search for audio files or video files. To specify which file types the ADMS-G2 is to search for, use the mouse to select the appropriate file type.
- Click **Save** to save changes to the folder. To exit without saving click **Exit**.

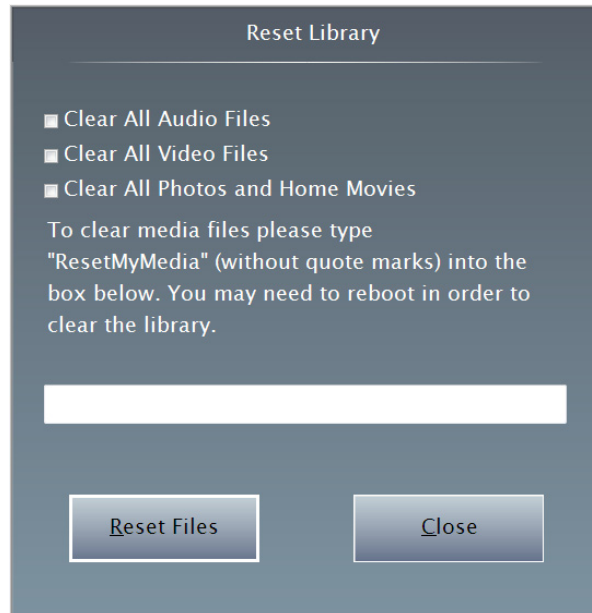
⇒ **Remove:** Folders can be removed from the library. To remove a folder, use the mouse to select a folder and click **Remove**.

NOTE: If a NAS entry is to be deleted, the ADMS-G2 asks if the library references to the removed folders should be removed as well.

⇒ **Close:** To exit and return to the “Library Configuration” window, click **Close**.

- **Reset Library:** The media contents of the internal hard drive and references to networked library folders containing media files can be erased by using the mouse to click **Reset Library**.

“Reset Library” Window



1. Use the mouse to select which file types should be erased (audio, video, pictures/home movies).
 2. Type “ResetMyMedia” (without quotes) in the text box.
 3. Click **Reset Files** to clear the selected file types. To close without resetting the library, click **Close**.
- **Sharing:** The media files stored on the ADMS-G2’s internal hard drive can be shared across a network. To configure sharing options, click **Sharing**. The “Library Sharing Configuration” window opens.

NOTE: Data that is shared from the ADMS-G2 is read-only.

“Library Sharing Configuration” Window

Library Sharing

This applet will create the following shares for media stored on the ADMS internal hard drive:
\\ADMSG2L4D731DCA\ADMS_Music
\\ADMSG2L4D731DCA\ADMS_Video
\\ADMSG2L4D731DCA\ADMS_HomeMedia
To connect to these shares, use the login 'admsshare' with the password you enter below:

Share Audio Library
 Share Video Library
 Share HomeMedia Library

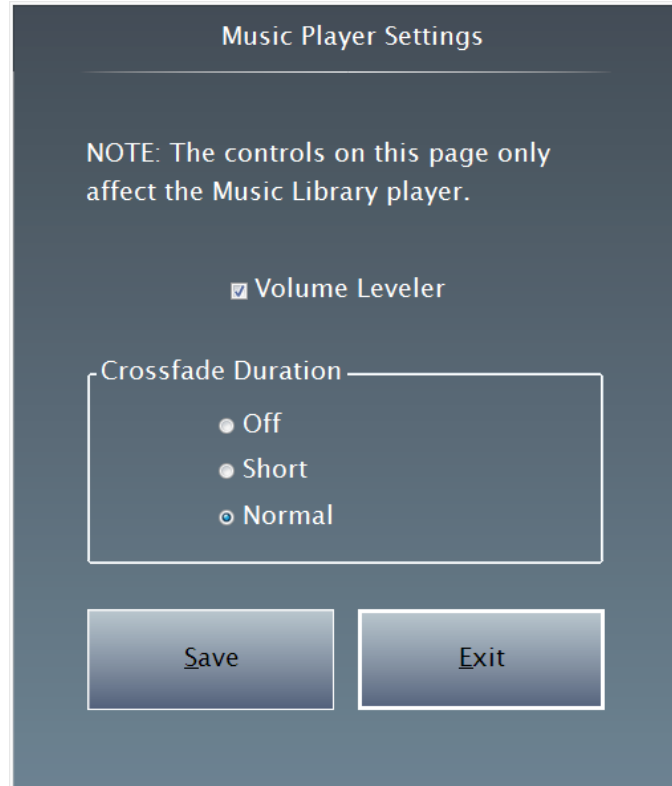
Password: *****

Confirm Pass: *****

1. Use the mouse to select which libraries should be shared (audio, video, or both).
 2. Enter a password to allow access to the shared media.
 3. To apply the sharing settings, click **Update Sharing**. To cancel the sharing settings, click **Close**.
- **CD Import Quality:** This option is not supported on the ADMS-G2.

- **Music Player Settings:** The music player settings are used to adjust the audio output for playback from the music library. To adjust the music player settings, click **Music Player Settings**. The “Music Player Settings” window is displayed.

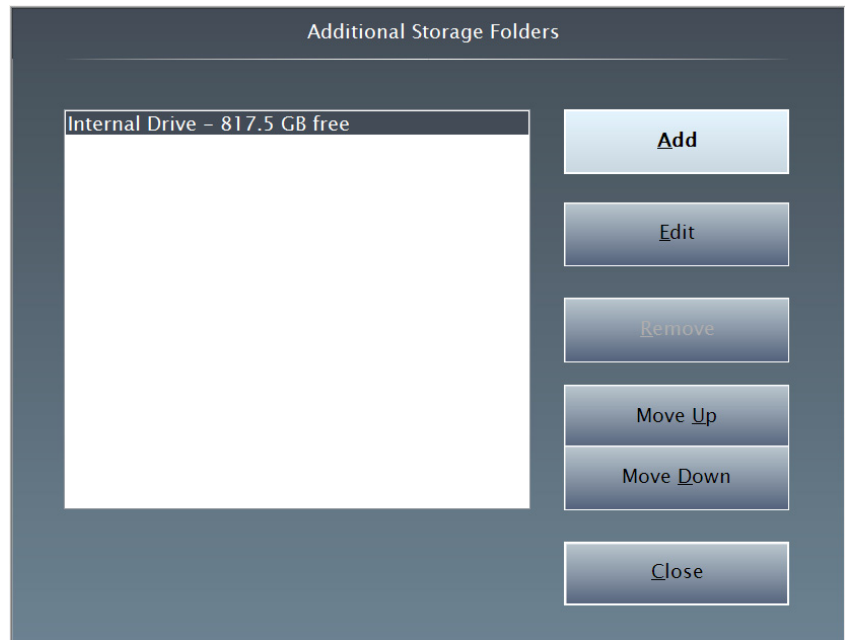
“Music Player Settings” Window



- ⇒ **Volume Leveler:** The volume leveler ensures that all audio files are played back at the same audio level. Use the mouse to enable or disable the volume leveler.
- ⇒ **Crossfade Duration:** Files are normally played with a crossfade option (the end of one song is blended with the next). Use the mouse to select **Off**, **Short**, or **Normal**.
- ⇒ **Save:** To save the setting, click **Save**.
- ⇒ **Exit:** To close the window, click **Exit**.

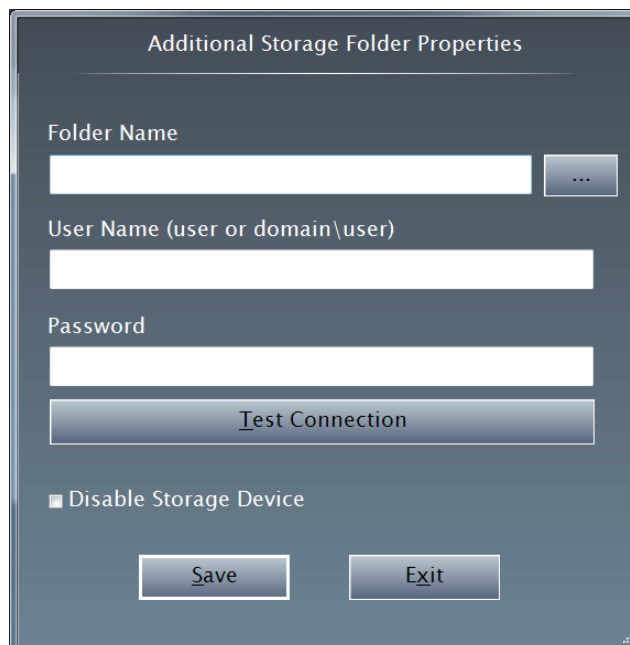
- **Additional Storage:** Content can be directly imported to a NAS. Multiple storage locations can be created so imported files can automatically roll over to the next device when a storage location is filled. To manage additional storage, click on **Additional Storage**. The “Additional Storage Folders” window opens.

“Additional Storage Folders” Window



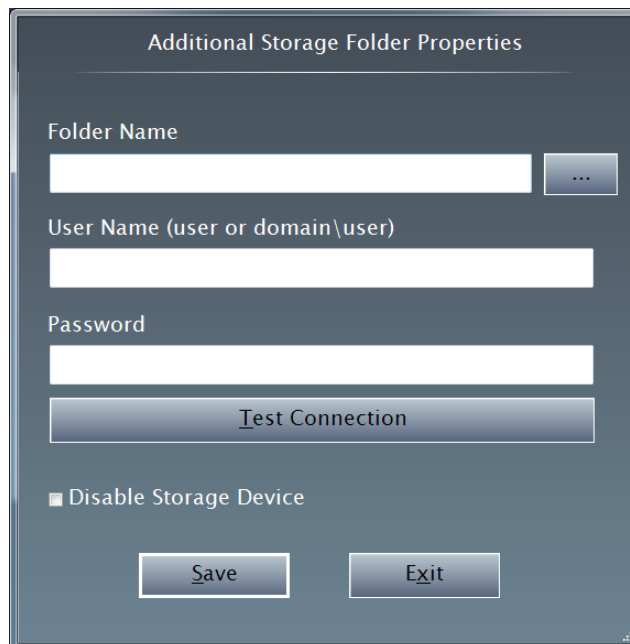
- ⇒ **Add:** To add a storage folder, click **Add**. The “Additional Storage Folder Properties” window opens.

“Additional Storage Folder Properties” Window



1. In the *Folder Name* field, enter the network location of the storage folder. The full path is required. To browse to the storage folder, click ... and navigate to the storage folder.
 2. If the storage folder requires a user name (user or domain\user) and password, type them in the *User Name* and *Password* fields.
 3. To test the connection to the storage folder, click **Test Connection**. If successful, a message is displayed.
 4. To disable the folder from storing files, check the box **Disable Storage Device**.
 5. Click **Save** to add the storage folder to the list of storage locations. To exit without saving click **Exit**.
- ⇒ **Edit:** To edit a storage folder, use the mouse to select a folder and click **Edit**. The “Additional Storage Folder Properties” window opens.

“Additional Storage Folder Properties” Window



1. In the field *Folder Name*, enter the network location of the storage folder. The full path is required. To browse to the storage folder, click ... and navigate to the storage folder.
 2. If the storage folder requires a user name (user or domain\user) and password, type them in the *User Name* and *Password* fields.
 3. To test the connection to the storage folder, click **Test Connection**. If successful, a message is displayed.
 4. To disable the folder from storing files, check the box **Disable Storage Device**.
 5. Click **Save** to add the storage folder to the list of storage locations. To exit without saving click **Exit**.
- ⇒ **Move Up/Move Down:** Specify the order in which storage folders are used. To move a folder within the storage order, highlight the folder and click **Move Up** or **Move Down**.

- ⇒ **Close:** To exit and return to the “Library Configuration” window, click **Close**.
- **Close:** Click **Close** to close the “Library Configure” window and return to the Setup menu.

Ethernet

To configure the ADMS-G2’s Ethernet settings:

1. Open the Setup menu as described on page 17 and click **Ethernet**. The “Ethernet Setup” window showing the current settings is displayed.

“Ethernet Setup” Window

The screenshot shows the "Ethernet Setup" window with the following fields and values:

Field	Value
System Name	ADMSG2L4D731DCA
DHCP Enabled	<input checked="" type="checkbox"/>
IP Address	172.30.16.31
Subnet Mask	255.255.255.0
Default Gateway	172.30.16.1
DNS 1	192.168.200.133
DNS 2	192.168.200.134

Buttons: Save, Exit

2. If desired, change the ADMS-G2’s system name in the *System Name* field. When operating the ADMS-G2 in a DHCP environment, this is the hostname as well.
3. Use the mouse to select whether DHCP is enabled or disabled,

NOTE: The *System Name* field must contain an entry when DHCP is enabled.

NOTE: The ADMS-G2 is shipped with DHCP enabled.

If DHCP is not enabled, values can be assigned for the *IP Address*, *Subnet Mask*, *Default Gateway*, *DNS 1* and *DNS 2* fields.

4. To save changes made to the Ethernet settings and return to the Setup menu, click **Save**. To exit without saving changes, click **Exit**.

NOTE: If changes to Ethernet settings have been made, the ADMS-G2 may need to be rebooted.

IP Table

To configure the ADMS-G2's IP table:

Open the Setup menu as described on page 17 and click **IP Table**. The “IP Table Setup” window showing the current IP table is displayed.

“IP Table Setup” Window

IP ID	Type	Address	Port	Status
03	Gway	MC3-ROOM235	41794	OFFLINE

IP Settings

IP ID: 03 Type (GWay)*: Gway IP Address or HostName: MC3-ROOM235 Port (41794)*: 41794 OFFLINE

*Entries are optional and if not specified, the default will be used.

Autodiscovery

Update Remove Add Exit

An IP table entry can be added, edited, or deleted.

Add an IP Table Entry

1. Use the mouse to select an *IP ID* from the dropdown list. The IP ID is the ID number that is used to identify the ADMS-G2 in a control system's IP table. The IP ID should match the IP ID set in the control system's SIMPL Windows program.
2. Enter the IP Address or the hostname of the control system that communicates with the ADMS-G2.
3. If desired, enter a port number if a port other than the default port (41794) is to be used.
4. To add the entry to the IP table, click **Add**.

Edit an IP Table Entry

1. Use the mouse to select an IP table entry for editing.
2. Use the mouse to select an *IP ID* from the dropdown list. The IP ID is the ID number that is used to identify the ADMS-G2 in a control system's IP table. The IP ID should match the IP ID set in the control system's SIMPL Windows program.
3. Enter the IP Address or the hostname of the control system that is to communicate with the ADMS-G2.
4. If desired, enter a port number if a port other than the default port (41794) is to be used.
5. To update the entry, click **Update**.

Remove an IP Table Entry

1. Use the mouse to select an IP table entry for removal.
2. To remove the entry, click **Remove**.

Autodiscovery

To enable the ADMS-G2 to be identified by a Crestron control system using autodiscovery, enable the *Autodiscovery* feature.

Exit

To exit, click **Exit**.

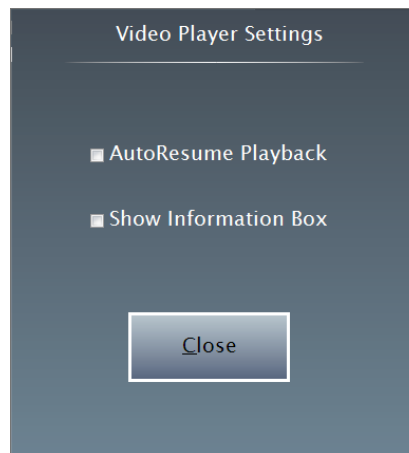
Video Player

To configure the ADMS-G2's video player:

NOTE: Some Blu-ray content does not allow playback to resume from where a video has stopped.

1. Open the Setup menu as described on page 17 and click **Video Player**. The "Video Player Settings" window is displayed.

"Video Player Settings" Window



2. Use the mouse to select/unselect *AutoResume Playback*.
3. To display diagnostic information about the video that is being played (TRT, video and audio encoding, resolution) over the video, select *Show Information Box*.

NOTE: This is for diagnostic testing only.

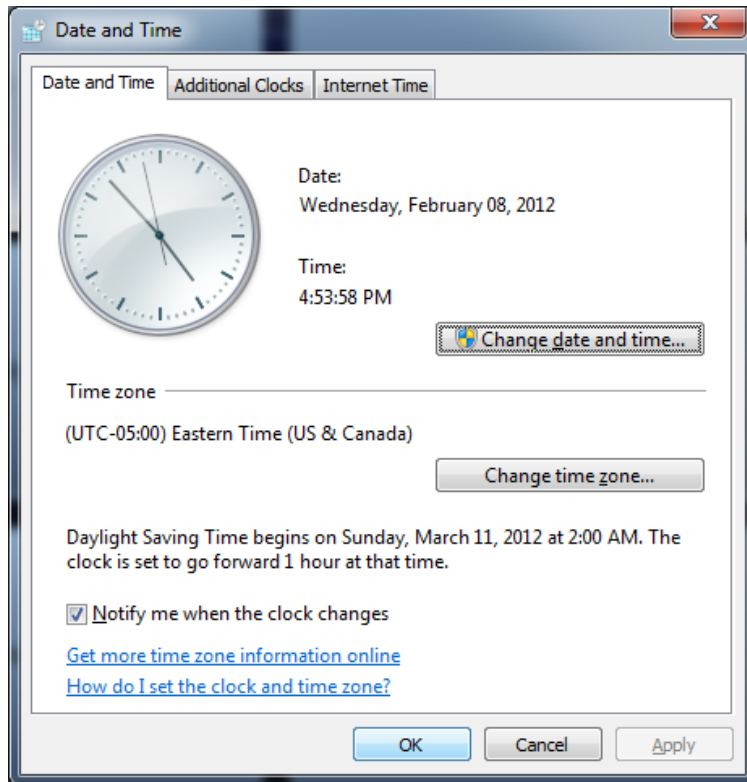
4. To return to the Setup menu, click **Close**.

Date & Time

NOTE: The ADMS-G2 requires the correct date, time, and time zone to automatically update the media library.

To configure the ADMS-G2's date and time settings, open the Setup menu as described on page 17 and click **Date Time**. The "Date and Time" window showing the *Date and Time* tab is displayed.

“Date and Time” Window (with Date and Time Tab Selected)



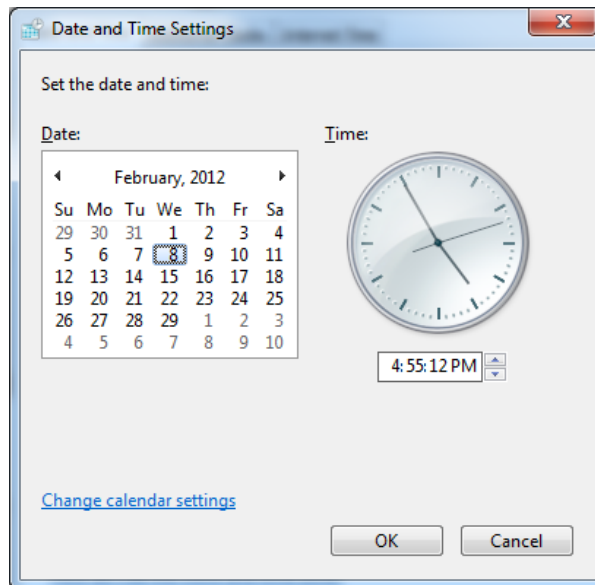
The *Date and Time* window contains three tabs, *Date and Time*, *Additional Clocks*, and *Internet Time*.

- ***Date and Time***

Within the *Date and Time* tab, the date, time, or time zone can be changed.

⇒ **Change Date and/or Time:** To change the date and/or time, click **Change date and time...**. The “Date and Time Settings” window is displayed.

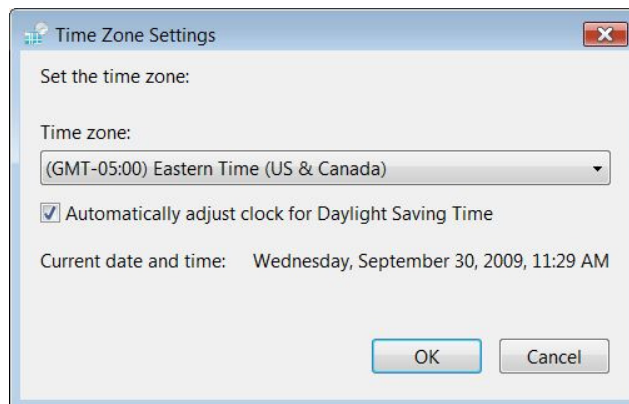
“Date and Time Settings” Window



Use the mouse to select the new date and time and click **OK** when done. To cancel, click **Cancel**.

⇒ **Change Time Zone:** To **change** the time zone, click **Change time zone...**. The “Time Zone Settings” window is displayed.

“Time Zone Settings” Window



Use the mouse to select the new time zone, select automatic Daylight Savings Time adjustment, and click **OK** when done. To cancel, click **Cancel**.

- **Additional Clocks**

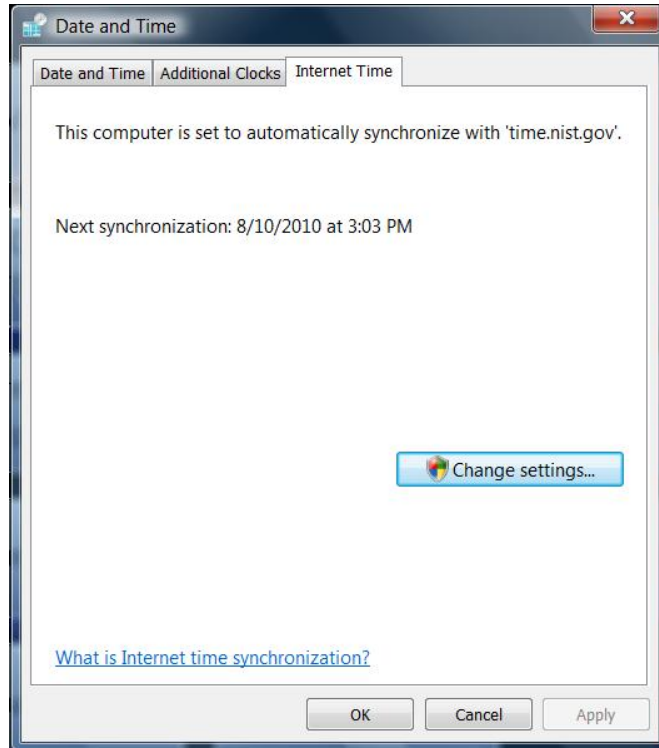
The *Additional Clocks* tab is not used with the ADMS-G2.

- **Internet Time**

Within the *Internet Time* tab, an Internet-based time server can be specified to keep the time on the ADMS-G2.

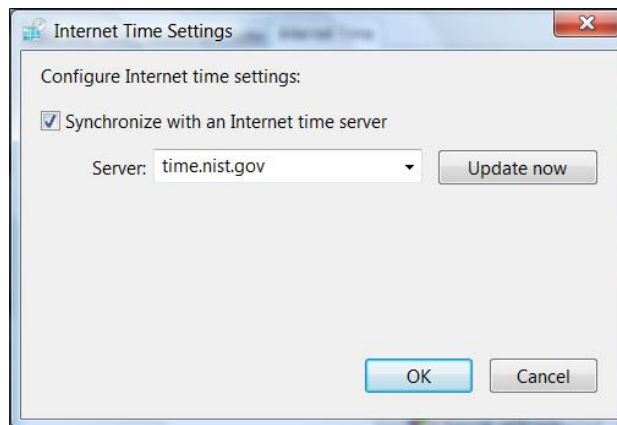
Use the mouse to select the *Internet Time* tab. Information on the selected time server and next schedule synchronization is displayed.

“Date and Time” Window



To change the settings, use the mouse to select **Change settings...**

“Internet Time Settings” Window



1. Use the mouse to enable synchronization with an Internet time server.
2. Use the mouse to select a time server from the dropdown list.

3. Click **Update Now** to sync the ADMS-G2 with the selected Internet time server.
4. Click **OK** to save changes or **Cancel** to cancel without saving changes.

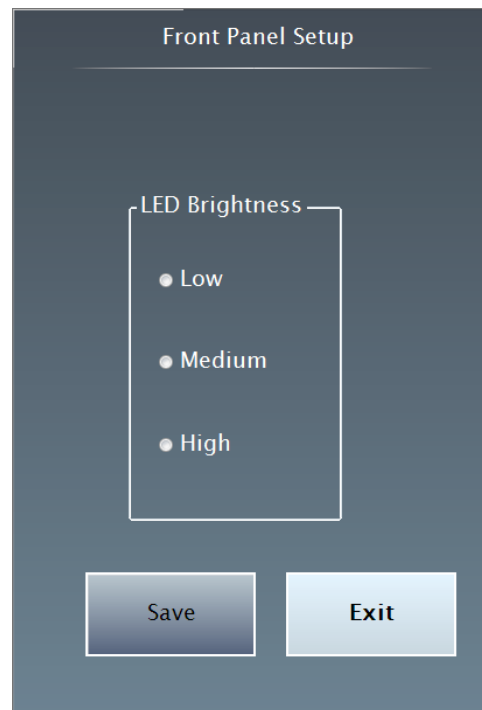
After adjustments to the time, time zone, and Internet time have been made, click **OK** to save changes and close the window, or click **Cancel** to cancel the changes.

Front Panel

To configure the ADMS-G2's front panel settings:

1. Open the Setup menu as described on page 17 and click **Front Panel**. The "Front Panel Setup" window is displayed

"Front Panel Setup" Window

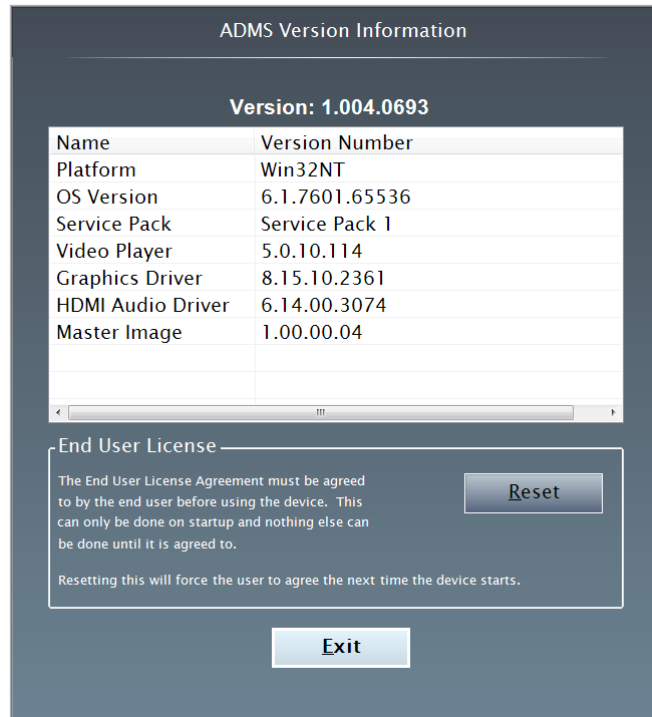


2. Use the mouse to select the brightness setting for the **POWER** button LED.
3. Click **Save** to save the new setting and close the window or click **Exit** to close the window without saving the settings.

Version Information

To view information about the ADMS-G2 operating software or reset the End User License Agreement (EULA), open the Setup menu as described on page 17 and click **Version Information**. The “ADMS Version Information” window is displayed.

“ADMS Version Information” Window



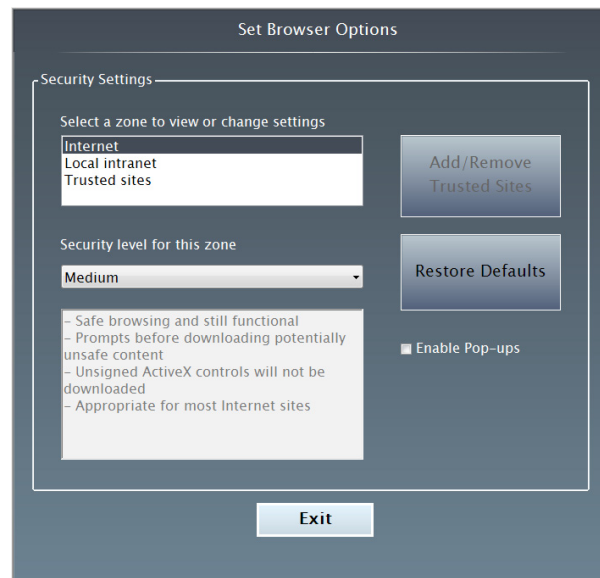
NOTE: Prior to delivery, the EULA should be reset so the customer is forced to accept it when they take ownership of the ADMS-G2. To reset the EULA, click **Reset**.

To close the window and return to the Setup menu, click **Exit**.

Browser

To view or configure security settings for the embedded Microsoft® Internet Explorer Web browser, open the Setup menu as described on page 17 and click **Browser**. The “Set Browser Options” window is displayed.

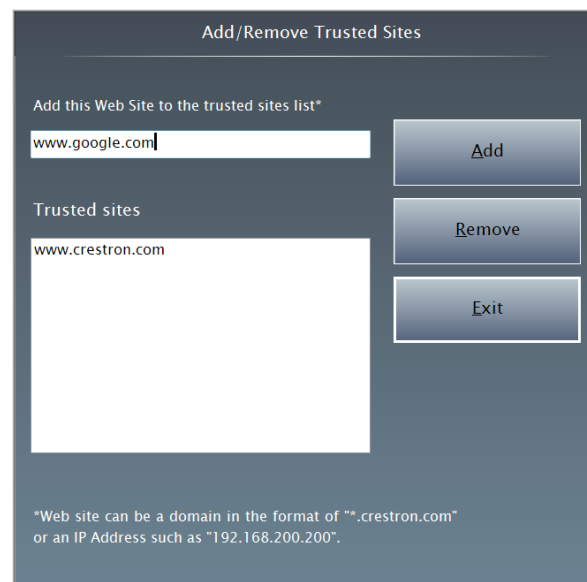
“Set Browser Options” Window



1. Use the mouse to select a zone (*Internet*, *Local intranet*, or *Trusted sites*) to view or configure.

Trusted Sites: To add or remove a trusted site, click **Add/Remove Trusted Sites**. The “Add/Remove Trusted Sites” window is displayed.

“Add/Remove Trusted Sites” Window



Sites are listed by either domain name or IP address.

- To add a site, enter the domain name or IP address in the field at the top and click **Add**.
 - To remove a site, use the mouse to select the site to be removed from the list of trusted sites and click **Remove**.
 - To exit and return to the “Set Browser Options” window, click **Exit**.
2. Use the mouse to select a security level from the dropdown list. One of three security levels (*High*, *Medium*, and *Low*) can be selected for each of the three zones. The security levels are defined as:
 - **High:** The safest way to browse, but also the least functional. Less secure features are disabled. Appropriate for sites that may have harmful content.
 - **Medium:** Safe browsing and still functional. Prompts before downloading potentially unsafe content. Unsigned ActiveX controls are not downloaded. Appropriate for most Internet sites.
 - **Low:** Minimal safeguards and warning prompts are provided. Most content is downloaded and run without prompts. All active content can run. Appropriate for sites that are absolutely trusted.
 3. Use the mouse to select whether pop-ups should be enabled or disabled.

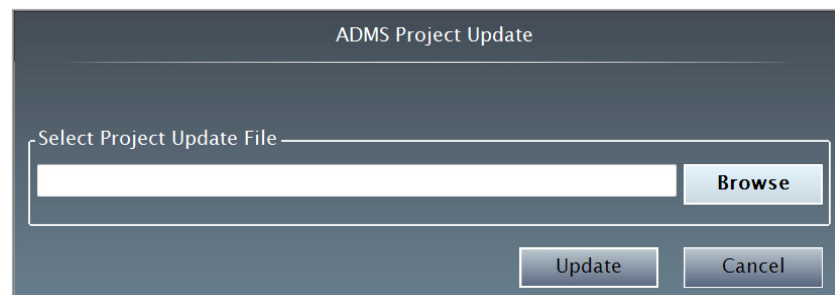
NOTE: While browsing the Internet with the ADMS-G2, clicking on a link may cause a message box titled “Restrictions” to appear that contains the text “This operation has been cancelled due to restrictions in effect on this computer. Please contact your system administrator.” If this message appears, checking **Enable Pop-ups** in the “Set Browser Options window may correct this error. Other restrictions may also cause this error, so this may not prevent all occurrences.

4. To restore the factory default settings, click **Restore Defaults**.
5. To close the window and return to the Setup menu, click **Exit**.

Crestron Home Pages

The ADMS-G2 can use a compiled VT Pro-e project (Crestron Home pages) to control devices controlled by a Crestron control system. To select a compiled project, open the Setup menu as described on page 17 and click **Crestron Home Pages**. The “ADMS Project Update” window is displayed.

“ADMS Project Update” Window



NOTE: Projects can also be uploaded using Crestron Toolbox™ software.

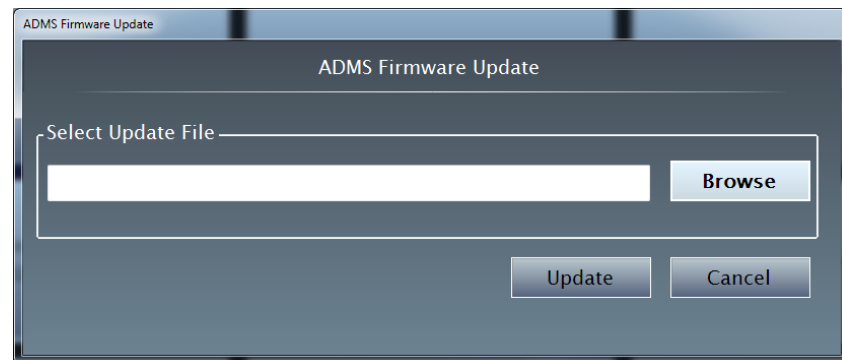
1. Enter the filename (including path) of the compiled project. Otherwise, click **Browse** and browse for the file.
2. To update the Crestron Home project on the ADMS-G2, click **Update**. Otherwise, click **Cancel** to return to the Setup menu.

Firmware Updates

The ADMS-G2's firmware can be manually updated to ensure optimal operation.

To select a firmware file to update the ADMS-G2, open the Setup menu as described on page 17 and click **Firmware Updates**. The “ADMS Firmware Update” window is displayed.

“ADMS Firmware Update” Window



1. Enter the filename (including path) in the filename field. Otherwise, click **Browse** and browse for the file.
2. To install the selected file, click **Update**. To cancel and return to the Setup menu, click **Cancel**.
3. When the update is complete, the ADMS-G2 reboots.

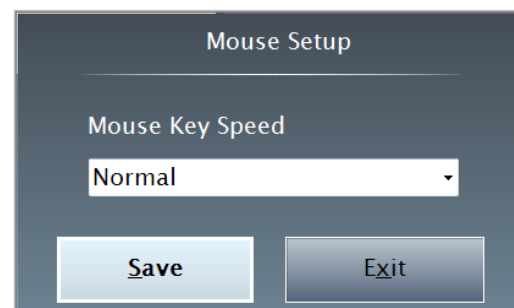
The ADMS-G2's firmware can also be updated from the **Advanced** section of the “Home” menu.

Mouse

The key speed setting for keyboard mouse operations (Internet browser and Internet TV) can be adjusted.

To select a mouse key speed setting, open the Setup menu as described on page 17 and click **Mouse**. The “Mouse Setup” window is displayed.

“Mouse Setup” Window



1. Use the mouse to select the *Mouse Key Speed* (*Slowest, Slow, Normal, Fast, and Fastest*) from the dropdown list.
2. To save the setting, click **Save**. Otherwise, click **Exit**.

Screensaver

The ADMS-G2 can be configured to turn on a screensaver after a specified amount of inactivity. To configure the screensaver, open the Setup menu as described on page 17 and click **Screensaver**. The “Screensaver Settings” window is displayed.

“Screensaver Settings” Window

1. Enter the location where photos to be used by the screensaver are located. A mass storage device on the network can be specified, or the ADMS-G2’s internal storage can be selected.

NOTE: If specifying a network path, enter a username and password. The ADMS-G2 can be configured to scan subfolders by selecting the *Scan subfolders* option.

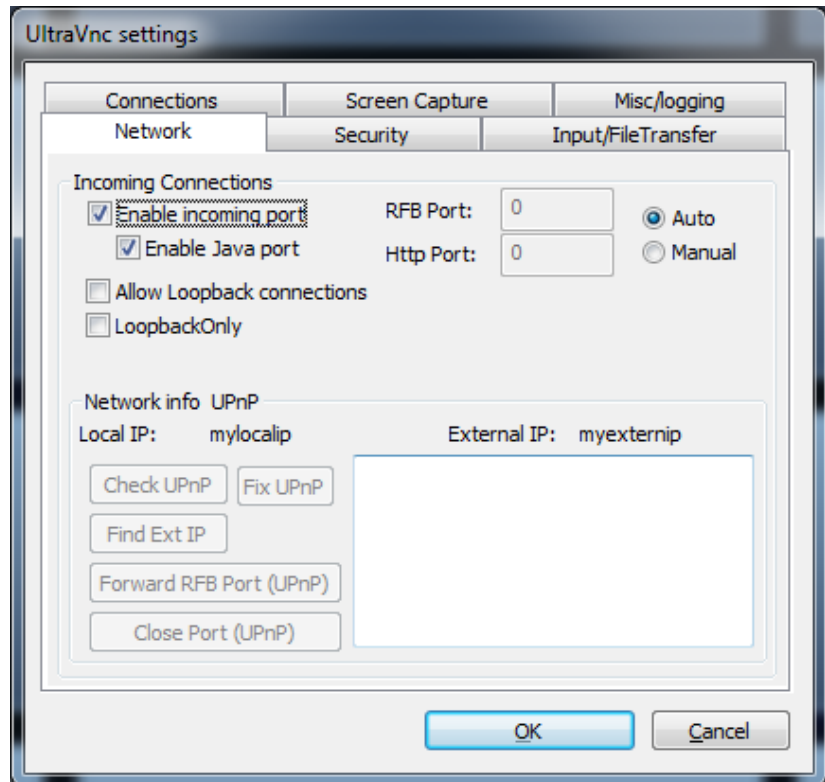
NOTE: If using the ADMS-G2’s internal storage, files are stored in \\<ipaddress or hostname>\photos

2. Use the mouse to select the operating speed of the screensaver.
3. Use the mouse to select the wait time (in minutes) before the screensaver activates.
4. To save the changes, click **Save**. Otherwise, click **Exit**.

VNC (Virtual Network Computing)

To configure the ADMS-G2’s for VNC operation:

1. Open the Setup menu as described on page 17 and click **VNC**. The “UltraVnc Settings” window showing the current settings is displayed.

“UltraVnc Settings” Window

The following changes can be made in the “UltraVnc Settings” window:

- **Enable/Disable VNC:** To enable and/or disable VNC, use the mouse to select the *Network* tab and select and/or unselect the *Incoming Connections|Enable incoming port* checkbox.
- **Manually select a port:** To manually select a port, use the mouse to select *Manual* and enter a port number. The default setting is *Auto*.

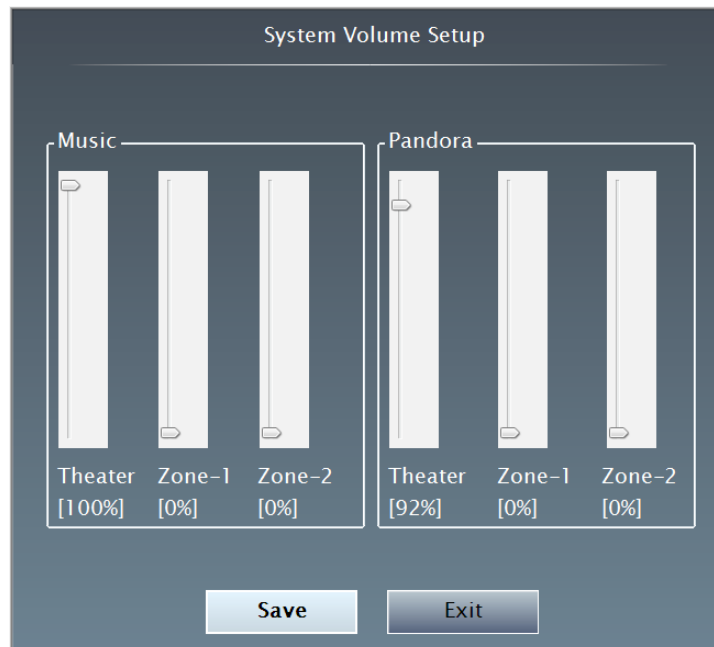
NOTE: Any router connected to the ADMS-G2 must have port 5900 (by default) open to enable communications with the ADMS-G2 from outside of the installation.

NOTE: A VNC client such as UltraVNC (<http://uvnc.com>) is required to remotely connect to an ADMS-G2.

- **To change the password:** Use the mouse to select the *Security* tab and enter a new password. The default password is *dealeradmin*.
2. To save changes, click **OK**. To exit and return to the Setup menu, click **Cancel**.

Volume

The volume level of the music and Pandora players can be adjusted in the theater and audio output zones. To adjust the volume levels, click **Volume**. The “System Volume Setup” window is displayed.

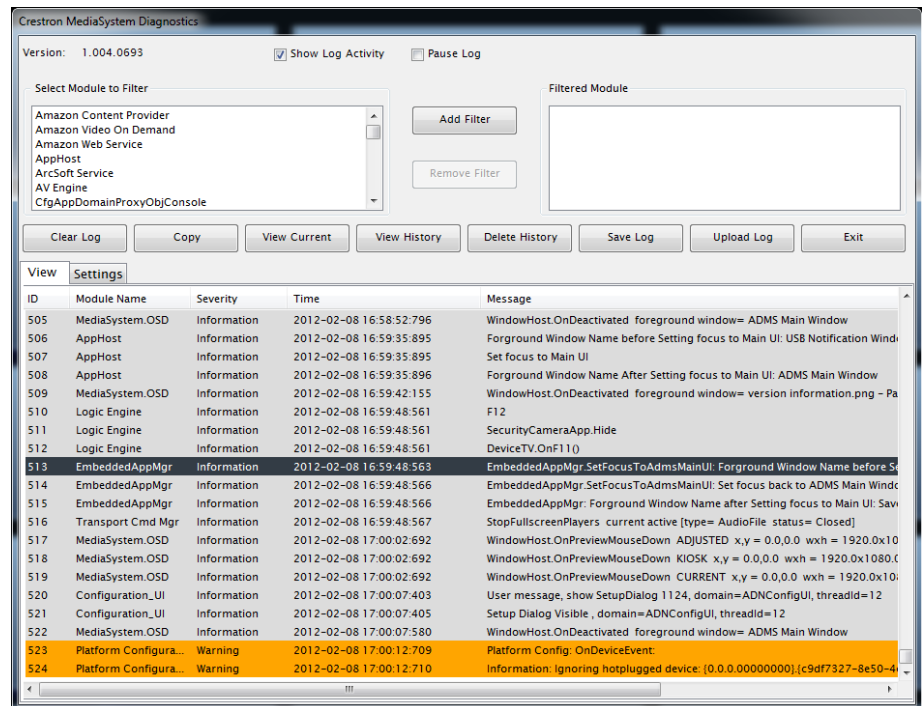
“System Volume Setup” Window

1. Use the mouse to adjust the slider controls for each player (*Music* and *Pandora*) in each zone (*Theater*, *Zone-1*, and *Zone-2*).
2. To save the settings, click **Save**. To cancel, click **Exit**.

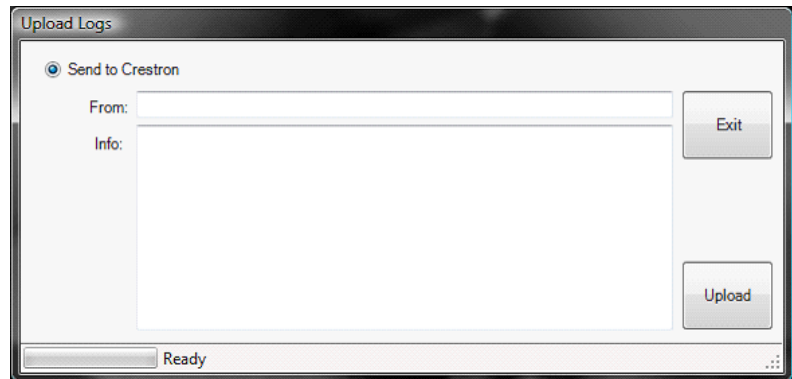
Logging

The ADMS-G2 maintains a log of system events which can be used for troubleshooting. To open the system log for saving to USB or network storage, open the Setup menu as described on page 17 and click **Logging**. The “Crestron MediaSystem Diagnostics” window is displayed.

“Crestron MediaSystem Diagnostics” Window

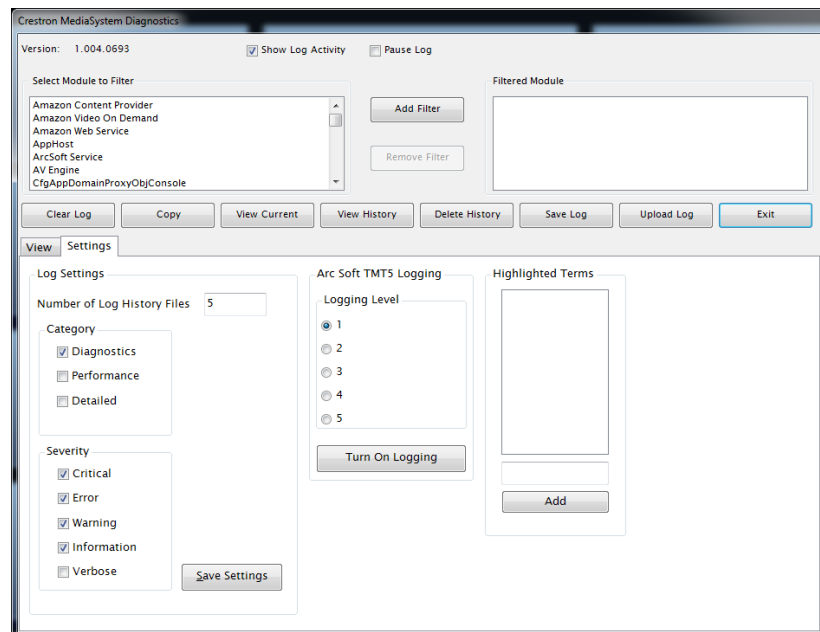


- To select specific modules for viewing, click on a module type in the *Select Module to Filter* section and click **Add Filter**. To remove a module from filtering, use the mouse to select a module from the *Filtered Module* list and click **Remove Filter**.
- To clear the log, click **Clear Log**.
- To copy the log contents to the clipboard, click **Copy**.
- To view the current log in Notepad, click **View Current**.
- To view all log files stored on the ADMS-G2 in Notepad, click **View History**.
- To delete the history, click **Delete History**.
- To save the log files, click **Save Log**.
- To upload the log file for further analysis, click **Upload Log**.

“Upload Logs” Window

1. Enter an email address in the *From* field.
2. Provide any additional information in the *Info* field.
3. To upload the log, click **Upload**. To cancel, click **Exit**.

Log setting can also be adjusted. To adjust the log settings, use the mouse to select the *Settings* tab.

“Crestron MediaSystem Diagnostics” Window (Settings Tab)

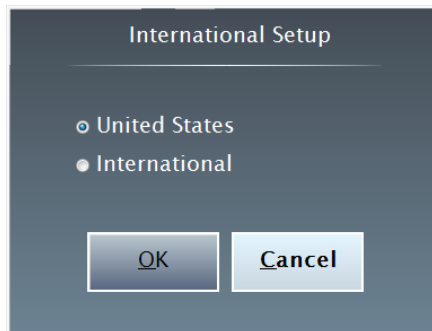
NOTE: Unless instructed by Crestron True Blue Support, do not change any of the default settings. Changing the default settings may cause the ADMS-G2 to not function properly or may downgrade performance.

1. Use the mouse to select and/or unselect events that should be logged
2. To save the settings, click **Save Setting**.

International

To ensure proper operation of Internet-based video providers, the location of the ADMS-G2 must be specified. To configure the location of the ADMS-G2, click **International**. The “International Setup” window is displayed.

“International Setup” Window



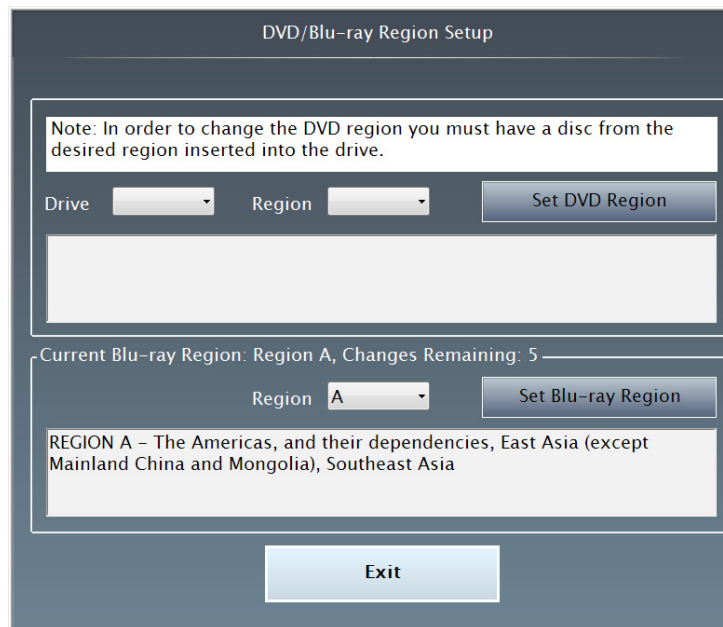
1. Click on *United States* or *International*.
2. To save the setting, click **OK**. To cancel, click **Cancel**.

DVD/Blu-ray Region

The ADMS-G2's can be configured for regional playback of DVDs and Blu-ray discs that are located in any path that is identifiable to the ADMS in its video library.

To configure the region, click **DVD/Blu-ray Region**. The “DVD/Blu-ray Region Setup” window is displayed.

“DVD/Blu-ray Region Setup” Window



1. Use the mouse to select a region number in the *Region* dropdown menu in the top part of the window.

2. To set the DVD region, click **Set DVD Region**.

NOTE: Only one region at a time can be selected for playback at a time.

NOTE: To minimize unauthorized playback, the DVD region setting can be changed up to five times. Afterwards, the setting can no longer be changed.

3. Use the mouse to select a region letter in the *Region* dropdown menu in the bottom part of the window.
4. To set the Blu-ray region, click **Set Blu-ray Region**.

NOTE: Only one region at a time can be selected for playback.

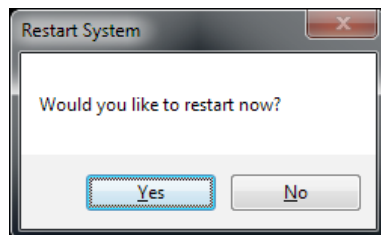
NOTE: To minimize unauthorized playback, the Blu-ray region setting can be changed up to five times. Afterwards, the setting can no longer be changed.

5. To exit, click **Exit**.

Restart

The ADMS-G2 can be restarted from the Setup menu. To restart the ADMS-G2, open the Setup menu as described on page 17 and click **Restart**. The “Restart System” window is displayed.

“Restart System” Window

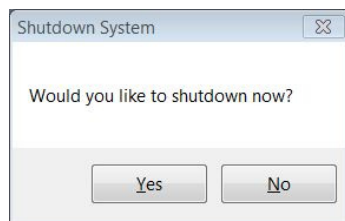


1. To reboot the ADMS-G2, click **Yes**.
2. To cancel, click **No**.

Shutdown

The ADMS-G2 can be shut down from the Setup menu. To shut down the ADMS-G2, open the Setup menu as described on page 17 and click **Shutdown**. The “Shutdown System” window is displayed.

“Shutdown System” Window

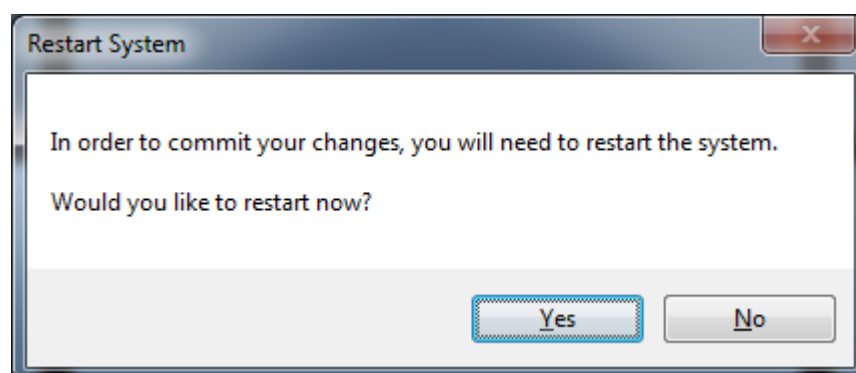


1. To shut down the ADMS-G2, click **Yes**.
2. To cancel, click **No**.

Exit

To exit the Setup menu, click **Exit**. If any changes were made, the “Restart System” window is displayed. Otherwise, the ADMS-G2 exits the Setup menu.

“Restart System” Window



To exit the Setup menu and restart the ADMS-G2, click **Yes**.

To exit the Setup menu without restarting the ADMS-G2, click **No**.

ADMS Connect

Introduction

ADMS Connect is an application that simplifies the transfer of media from a PC or Mac computer to an ADMS-G2. ADMS Connect automatically copies media from a laptop or desktop computer to an ADMS-G2 on the network.

System Requirements

The ADMS Connect application has the following system requirements:

- Windows PC: Microsoft Windows XP®, Windows Vista® (32/64bit) or Windows 7 (32/64bit) Operating Systems
- Mac: Mac OSX 10.6 (Snow Leopard), Intel Processor
- 512 MB RAM
- 1 GB hard drive space - more space for more media
- A network connection - the faster the better

Download and Installation

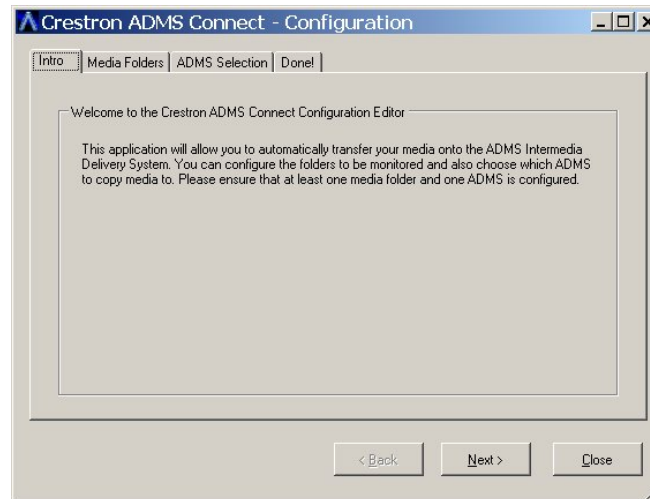
1. Download the zip file containing the latest version of ADMS Connect software from the Crestron Web site (www.crestron.com/software).
2. Install the software
 - **Windows PC:**
 - a. Open the downloaded zip file.
 - b. Run the “.exe” application. The setup wizard installs the required files and launches the program.
 - **Mac**
 - a. Open the downloaded zip file.
 - b. Unzip the adms_connect_mac_X.X.zip package (where X.X represents the version number) to a local hard drive.
 - c. Copy the ADMSCConnect app to the Applications folder.
 - d. Start the ADMSCConnect app from the Applications folder.

Running the app for the first time sets it to auto-start via the Login Items list.

Configuration

ADMS Connect launches at startup. The first time the application runs, the configuration wizard is displayed.

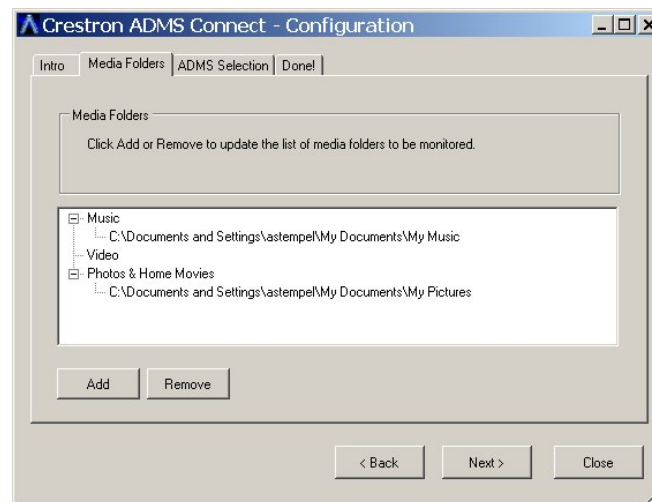
Configuration Wizard



Use the mouse to select the tabs on the wizard (or click **Back** or **Next**) to perform the following:

- **Media Folders:** Select this tab to specify the folders that are monitored for new media.

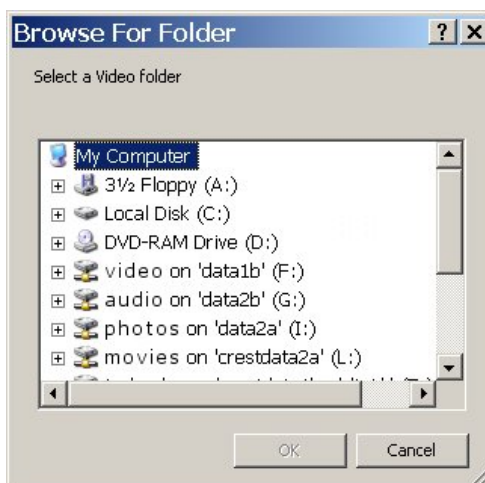
Media Folders Tab



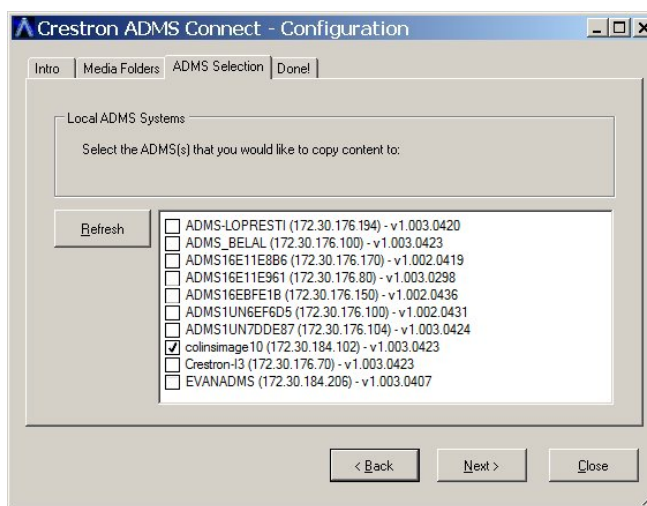
NOTE: Media types should be organized in separate folders prior to selecting folders for monitoring.

To add a media folder:

1. Click on the media type contained in the new folder (*Music*, *Video*, or *Photos & Home Movies*).
2. Click **Add**. The “Browse For Folder” window is displayed.

“Browse For Folder” Window

3. Navigate to the folder to be monitored. The folder can reside on a local drive or a network drive. Subdirectories are included when the parent directory is selected.
 4. Click **OK** and add the folder to the list.
 5. Repeat for every folder to be monitored.
 6. Click **Next**.
- **ADMS Selection:** Select this tab to select the ADMS-G2 system(s) that receives the new media.

ADMS Selection Tab

1. Use the mouse to select the ADMS-G2 systems that receive new media. To update the list of ADMS-G2 systems, click **Refresh**.

NOTE: Only ADMS-G2 systems that are on the same subnet as the computer running ADMS Connect are shown.

2. Click **Next**.
3. Click **Close**.

When configuration is complete, you are asked if you would like to add the existing media in the folders that were selected. Click **Yes** to copy the existing media to the selected ADMS-G2 system(s). Click **Close** to minimize the application to the system tray.

NOTE: The “Windows Firewall” dialog box could appear, asking for permission to open a port. ADMS Connect uses port 41799 (both TCP and UDP protocols) for communicating with the ADMS-G2 systems. The firewall must be allowed to open these ports.

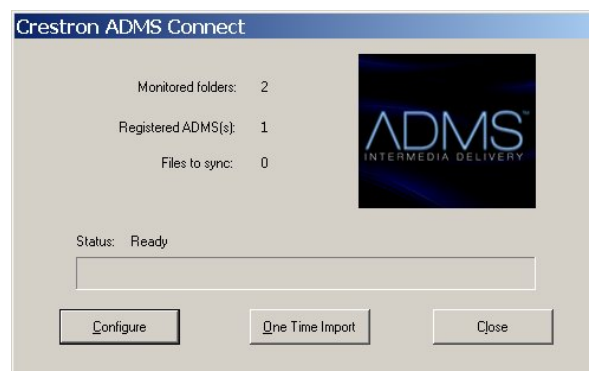
Operation

Once ADMS Connect has been configured, it monitors the requested folders for any new media items being added. When new media has been detected, the color of the system tray icon changes. After a period of inactivity (to allow for additional downloads to complete), the application:

- Copies the media files to the selected ADMS-G2 system(s).
- Starts the import process on the ADMS-G2(s) to add the files to the media libraries.
- Deletes the temporary files from the ADMS-G2(s).

To view the status of ADMS Connect, right-click on the ADMS Connect icon (🔍) in the system tray and select **Display Status**.

Crestron ADMS Connect

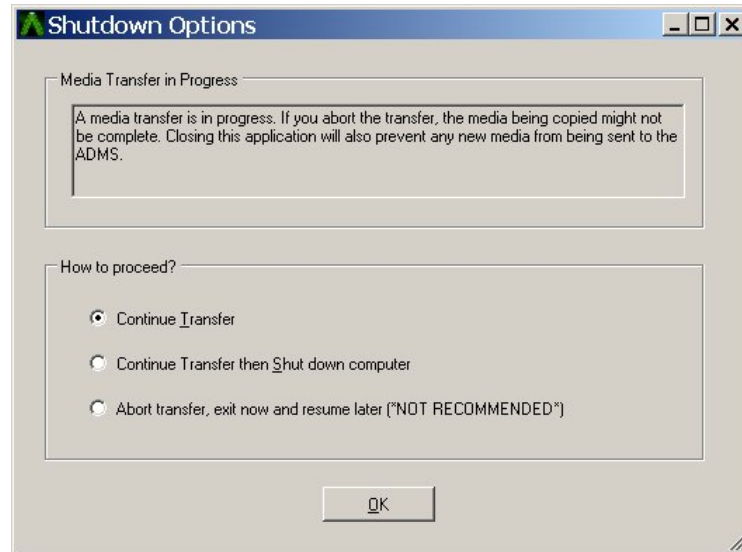


- To return to the configuration wizard, click **Configure**.
- To import media from a folder that is not monitored for updates, click **One Time Import** and select a folder for import.
- To close the window, click **Close**.

Shutdown

Under normal operation, ADMS Connect runs in the background, copying media as required. If the computer needs to shut down while the copy operation is in progress, one of the following choices must be made as shown in the following diagram:

Shutdown Options



- *Continue Transfer*: Continue the copy operation (shutdown is not performed).
- *Continue Transfer the Shut down computer*: Continue the copy operation and shut down the computer when done.
- *Abort transfer, exit now and resume later (*NOT RECOMMENDED*)*: Abort the copy operation, shut down immediately, and restart automatically later (not recommended).

Click on one of the options and click **OK**.

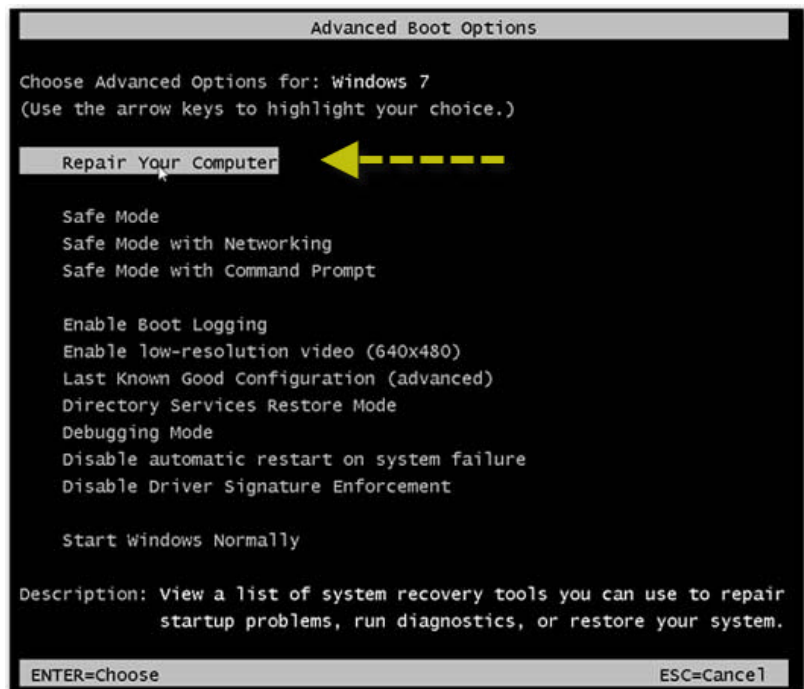
System Backup and Recovery

System Backup

To create a backup image of the factory operating system, refer to the following backup procedure:

1. Turn on the ADMS-G2.
2. When the ADMS-G2 is powering up, press **F8**. The “Advanced Boot Options” menu is displayed.

“Advanced Boot Options” Menu

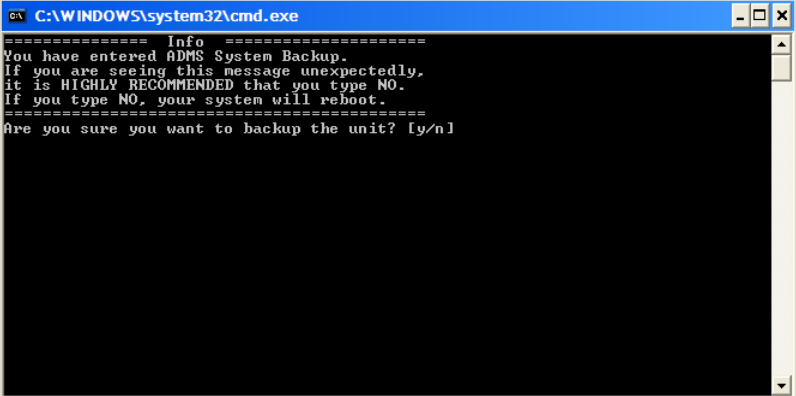


3. Press the up or down arrow keys on the keyboard to highlight *Repair Your Computer* and press **Enter**. The “Crestron Backup/Restore” dialog box is displayed.

“Crestron Backup/Restore” Dialog Box

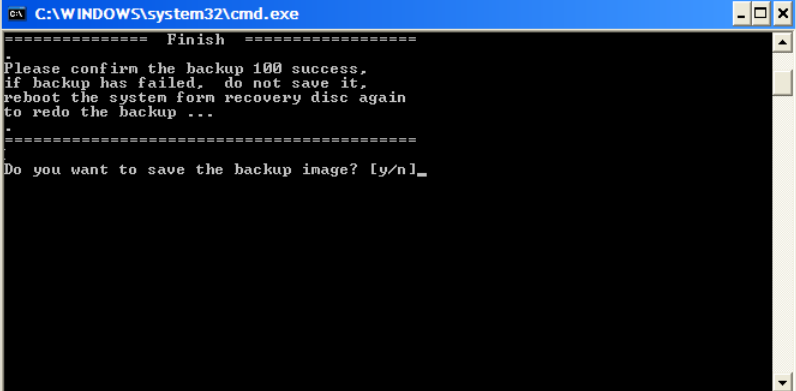


- Use the mouse to select *Create backup of current OS* and click **OK**. The message “Are you sure you want to backup the unit?” is displayed.



```
C:\WINDOWS\system32\cmd.exe
===== Info =====
You have entered ADMS System Backup.
If you are seeing this message unexpectedly,
it is HIGHLY RECOMMENDED that you type NO.
If you type NO, your system will reboot.
=====
Are you sure you want to backup the unit? [y/n]
```

- Type **y** to continue or **n** to cancel.
- Follow the on-screen instruction to complete the backup process. Do not turn off the unit during backup.



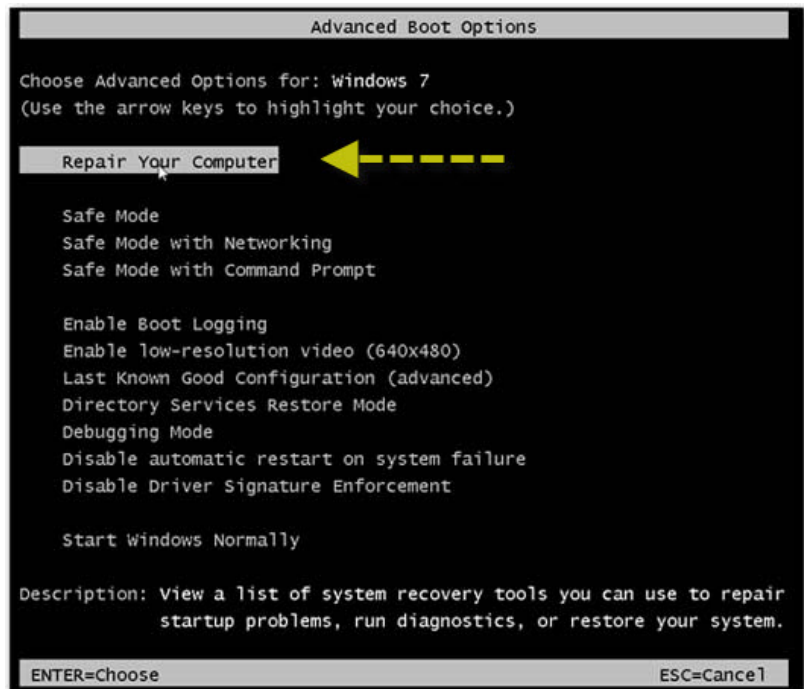
```
C:\WINDOWS\system32\cmd.exe
===== Finish =====
Please confirm the backup 100 success,
if backup has failed, do not save it,
reboot the system form recovery disc again
to redo the backup ...
=====
Do you want to save the backup image? [y/n]
```

- Type **y**, to save the backup image or **n** to continue without saving.
- The ADMS-G2 reboots to complete the backup process.

System Recovery

Should the ADMS-G2's factory operating system image need to be restored to the system hard drive (C:\), refer to the following recovery procedure:

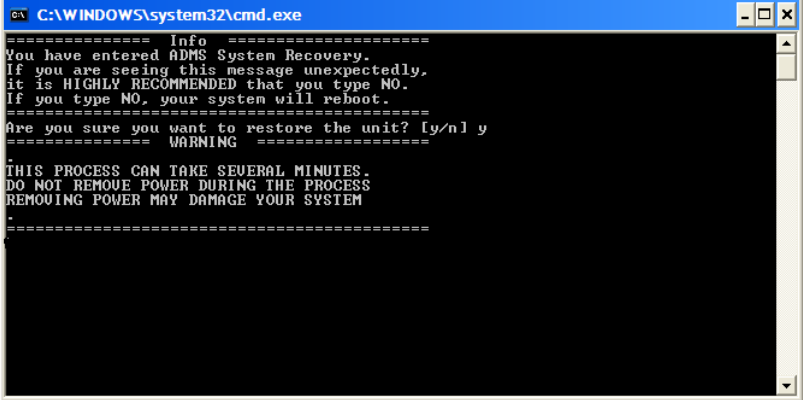
- Turn on the ADMS-G2.
- When the ADMS-G2 is powering up, press **F8**. The “Advanced Boot Options” menu is displayed.

“Advanced Boot Options” Menu

3. Press the up or down arrow keys on the keyboard to highlight *Repair Your Computer* and press **Enter**. The “Crestron Backup/Restore” dialog box is displayed.

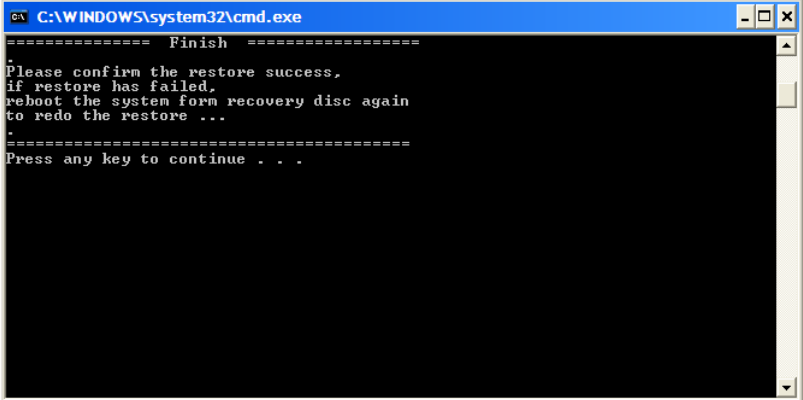
“Crestron Backup/Restore” Dialog Box

4. Use the mouse to select *The latest image Restore* and click **OK**.
5. Follow the on-screen instructions. Do not power off the unit during the restore process.



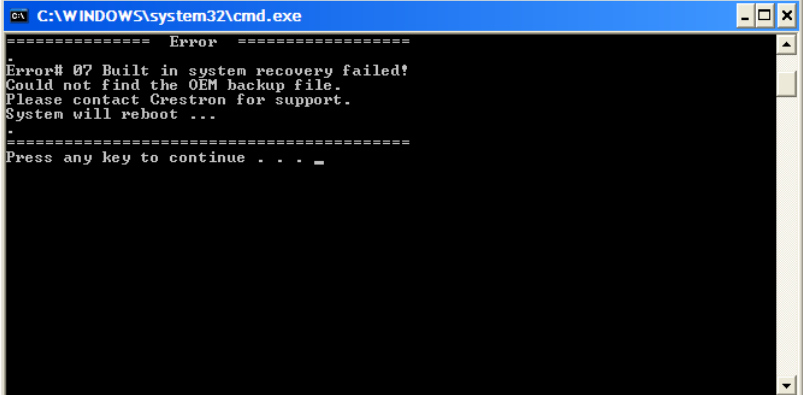
```
C:\WINDOWS\system32\cmd.exe
===== Info =====
You have entered ADMS System Recovery.
If you are seeing this message unexpectedly,
it is HIGHLY RECOMMENDED that you type NO.
If you type NO, your system will reboot.
=====
Are you sure you want to restore the unit? [y/n] y
===== WARNING =====
.
THIS PROCESS CAN TAKE SEVERAL MINUTES.
DO NOT REMOVE POWER DURING THE PROCESS
REMOVING POWER MAY DAMAGE YOUR SYSTEM
.
=====
```

6. If the restore succeeded, the following message is displayed.



```
C:\WINDOWS\system32\cmd.exe
===== Finish =====
.
Please confirm the restore success,
if restore has failed,
reboot the system from recovery disc again
to redo the restore ...
.
=====
Press any key to continue . . .
```

If the restoration process failed, the following message is displayed.



```
C:\WINDOWS\system32\cmd.exe
===== Error =====
.
Error# 07 Built in system recovery failed!
Could not find the OEM backup file.
Please contact Crestron for support.
System will reboot ...
.
=====
Press any key to continue . . .
```

If the restoration failed, press **POWER** to reboot the system, and repeatedly press **F8** to restart the restoration process (return to step 3).

Programming Software

Have a question or comment about Crestron software?

Answers to frequently asked questions (FAQs) can be viewed in the Online Help section of the Crestron Web site. To post a question or view questions you have submitted to Crestron's True Blue Support, log in at www.crestron.com/support. First-time users must establish a user account.

Earliest Version Software Requirements for the PC

NOTE: Crestron recommends that you use the latest software to take advantage of the most recently released features. The latest software is available from the Crestron Web site (www.crestron.com/software).

Crestron provides an assortment of Windows®-based software tools to develop a customized system. Use SystemBuilder™ or SIMPL Windows to create a program to control the ADMS-G2.

Programming with SystemBuilder

SystemBuilder is a comprehensive programming environment. Appropriate for most systems, it can quickly and easily generate a complete working program including both control processor logic and touch screen graphics.

Programming with SIMPL Windows

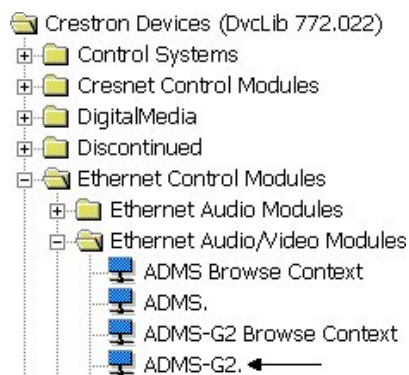
NOTE: While SIMPL Windows can be used to program the ADMS-G2, it is recommended to use SystemBuilder for configuring a system.

SIMPL Windows is Crestron's premier software for programming Crestron control systems. It is organized into two separate but equally important "Managers": Configuration and Program.

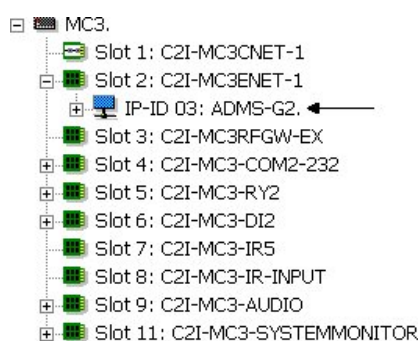
Configuration Manager

Configuration Manager is the view where programmers "build" a Crestron control system by selecting hardware from the *Device Library*.

1. To incorporate the ADMS-G2 into the system, drag the ADMS-G2 from the Ethernet Control Modules | Ethernet Audio/Video Modules folder of the *Device Library* and drop it in the *System Views*.

Locating the ADMS-G2 in the Device Library

The system tree of the control system displays the device in the appropriate slot with a default IP ID as shown in the following illustration.

C2I-MC3ENET-1 Net Device, Slot 2

- If additional ADMS-G2 devices are to be added, repeat step 1 for each device. Each ADMS-G2 is assigned a different IP ID number as it is added.
- If necessary, double click a device to open the “Device Settings” window and change the IP ID, as shown in the following illustration.

“Device Settings: Crestron ADMS-G2” Window

NOTE: The ID code specified in the SIMPL Windows program must match the IP ID of each unit. Refer to “Identity Code” on page 14.

Program Manager

Program Manager is the view where programmers “program” a Crestron control system by assigning signals to symbols.

The symbol can be viewed by double clicking on the icon or dragging it into *Detail View*. Each signal in the symbol is described in the SIMPL Windows help file (**F1**).

Operation

Use the ADMS-G2’s On-Screen-Display (OSD) controls to play all media (audio and video) stored in the ADMS-G2’s media library, view Internet video, and browse the Internet with the integrated Internet browser.

To use the OSD, a USB keyboard (not included) is required.

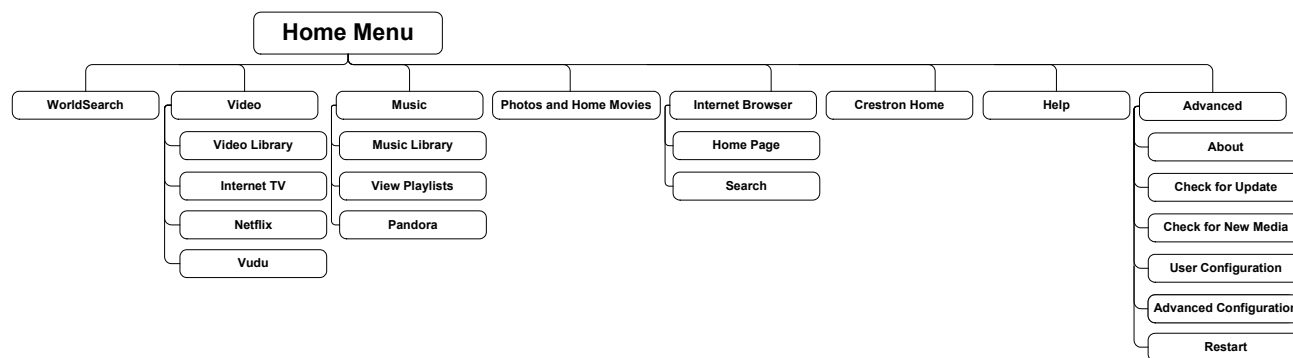
The arrow (←, →, ↑, and ↓), **F11 (EXIT)** on KB-RFUSB Wireless Keyboard for ADMS, sold separately), **F12 (MENU)** on KB-RFUSB), and **Enter** keys are used to operate the ADMS.

- ←, →, ↑, and ↓: Move cursor left, right, up and down (respectively) to highlight items in the menu.
- **F11 (EXIT)** on KB-RFUSB: Press **F11** (or **EXIT** on KB-RFUSB) to return to the previous menu.
- **F12 (MENU)** on KB-RFUSB: Press **F12** (or **MENU** on KB-RFUSB) to return to the main menu.
- **Enter**: Performs the highlighted function.

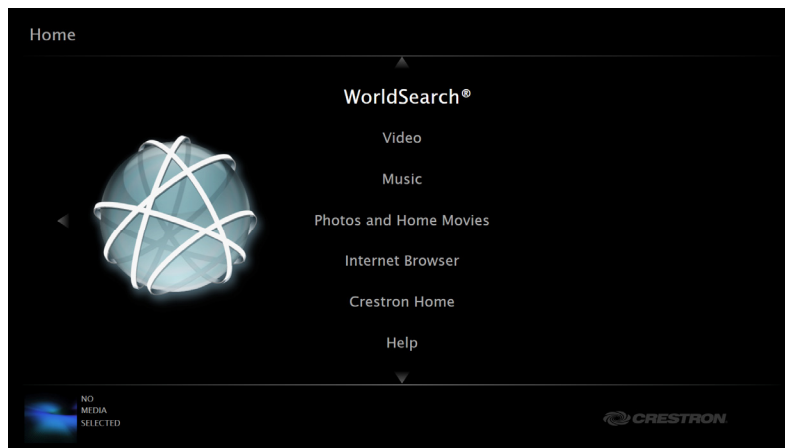
“Home” Menu

The ADMS-G2’s “Home” menu is where all of the ADMS-G2’s functionality can be accessed. Use the keyboard to navigate the ADMS-G2’s “Home” menu.

Structure of ADMS-G2 “Home” Menu



ADMS-G2 “Home” Menu



The ADMS-G2's "Home" menu consists of nine sections:

- *WorldSearch*®: Search the ADMS-G2's video, music, and photo libraries, Netflix, and Internet TV.
- *Video*: Browse and/or search through the video library, Internet TV, the Netflix catalog, and Vudu.
- *Music*: Browse and/or search through the music library, playlists, and Pandora.
- *Photos and Home Movies*: Browse through the photo and home movie libraries.
- *Internet Browser*: Visit Web sites or search the Internet with the ADMS-G2's integrated Internet browser.
- *Crestron Home*: View controls for the Crestron home.
- *Help*: View available tutorial videos.
- *Advanced*: View system information, check for firmware updates, check for new media, and configure the ADMS-G2.

System Notification Icons

The ADMS-G2 displays notification icons when certain system events occur. For more information, use a keyboard to move the focus to the displayed icon or refer to the ADMS-G2's online help.

WorldSearch

Select *WorldSearch*® to search the ADMS-G2's video, music, and photo libraries, Netflix, Vudu, and Internet TV. To use Worldsearch:

1. From the "Home" menu, use the arrow keys to highlight *Worldsearch*® and press **Enter**.
2. Use the keyboard to type the search term.
3. Use the arrow keys to highlight *OK* and press **Enter**. The search results are displayed.
4. To select an item for playback, use the arrow keys to highlight the item and press **Enter**.

Video

Select *Video* to browse videos stored in the library, internet video channels, Netflix videos, and Vudu videos. To browse videos:

1. From the "Home" menu, use the arrow keys to highlight *Video* and press **Enter**.
2. Use the arrow keys to highlight the desired service (*Video Library*, *Internet TV*, *Netflix*, or *Vudu*) and press **Enter**.

NOTE: To view Netflix and Vudu videos, the respective user accounts must be configured for use on the ADMS-G2. For details, refer to "Netflix" on page 73 and "Vudu" on page 77.

3. To select an item for playback, use the arrow keys to highlight the item and press **Enter**.

Edit Video Library Items

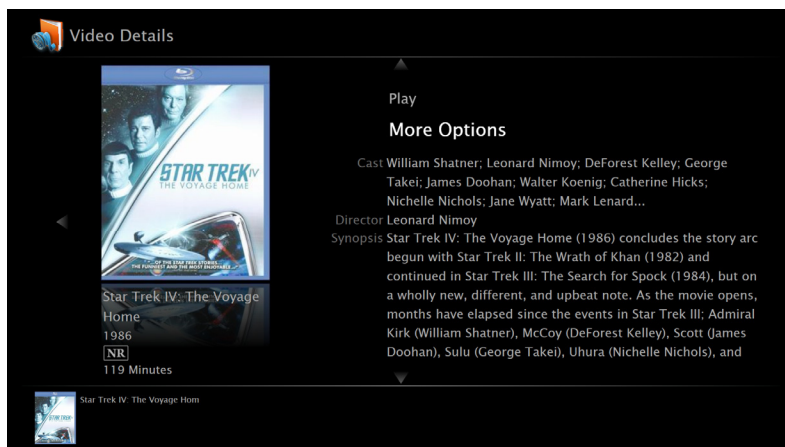
NOTE: Downloaded items such as Netflix and Vudu videos cannot be edited.

The video library contains movies stored on the ADMS-G2's hard drive and networked storage.

The ADMS-G2 uses metadata obtained from an online service to provide information about movies in the video library. A customer may wish to edit metadata to change information provided from the online service. To change information:

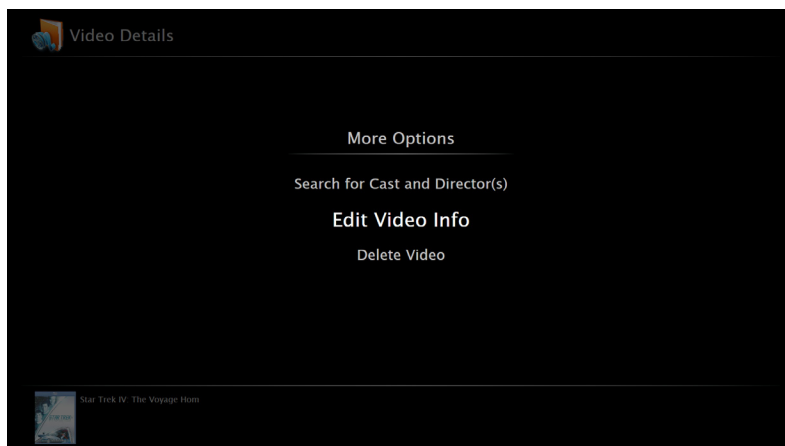
1. Select a video for editing from the video library as described in "Video" above.

Selected Video File



2. Use the arrow keys on the keyboard to highlight *More Options* and press **Enter**. A list of options is displayed.

More Options



- Use the arrow keys on the keyboard to highlight *Edit Video Info* and press **Enter**. The video's information is displayed.

Video Information

Video Information – Edit Video Info

Enter Video Title
Star Trek IV: The Voyage Home

Enter Year
1986

Enter UPC Code
097360719147

Enter Rating
NR

Enter Video Genre
Science Fiction

Continue Editing... Search Done

- To edit a field, use the arrow keys to highlight a field and type the new information.

When editing is complete, accept the video information by using the arrow keys to highlight *Done* and press **Enter**. Otherwise, continue editing by using the arrow keys to highlight *Search* and press **Enter**. The ADMS-G2 searches the online service for movie details.

Search Results

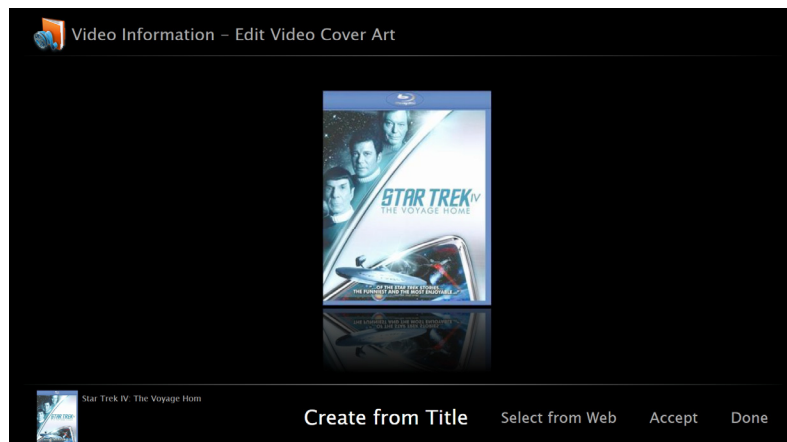
Video Information – Possible Matches

Continue Editing...

Star Trek IV: The Voyage Home
1986

Star Trek IV: The Voyage Home

- To use the current information for editing, use the arrow keys to highlight *Continue Editing...* and press **Enter**. Otherwise, select a search result to be used for video details and press **Enter**. Options for selecting the video's cover art are displayed.

Cover Art

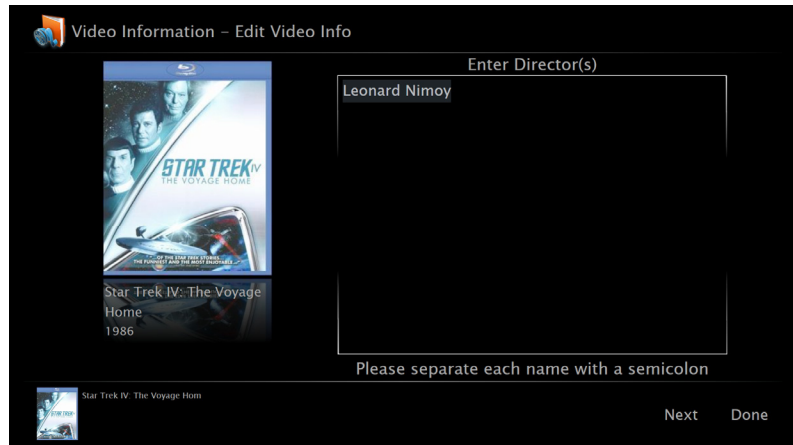
6. Cover art can be created from the video's title, selected from a Web-based image search of the video title, or accepted from the online service. Use the arrow keys to highlight the desired function and press **Enter**.
 - **Create from Title:** Use the *Create from Title* function to create a generic cover art image that contains the video title.
 - **Select from Web:** Use the *Select from Web* function to display a Web-based image search of the video title. A selected image can then be used as the video cover art.
 - a. In the Web browser, use the arrow keys to move the cursor to the **GET IMAGE** button and press **Enter**.
 - b. Use the arrow keys to move the cursor to the desired image and press **Enter**. A popup window prompts the user to confirm the selection.
 - c. To confirm the selection, use the arrow keys to move the cursor to *Yes* and press **Enter**. To cancel, use the arrow keys to move the cursor to *No* and press **Enter**.
7. If editing is complete, accept the displayed cover art by using the arrow keys to highlight *Done* and press **Enter**. Otherwise, continue editing by using the arrow keys to highlight *Accept* and press **Enter**. A list of actors in the video's cast is displayed.

Actors

To edit the list of actors, use the arrow keys to move the cursor to the field containing the list of actors and type the names of the actors. Names must be separated with a semicolon (;).

8. If editing is complete, use the arrow keys to highlight *Done* and press **Enter**. Otherwise, continue editing by using the arrow keys to highlight *Next* and press **Enter**. The movie's director(s) is displayed.

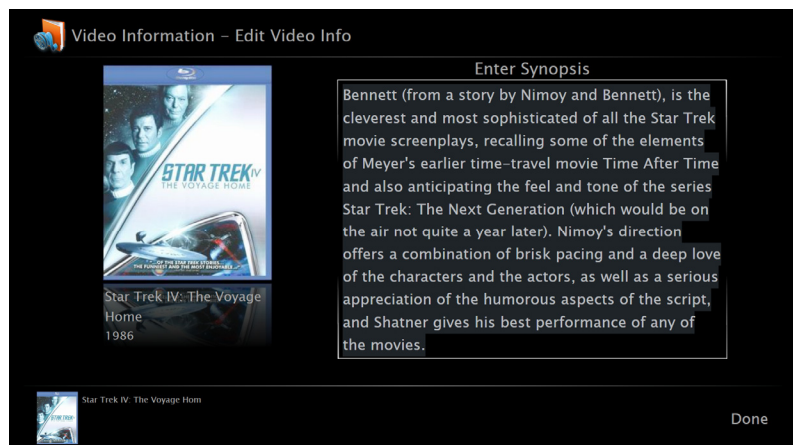
Director(s)



To edit the list of directors, use the arrow keys to move the cursor to the field containing the list of directors and type the names of the directors. Names must be separated with a semicolon (;).

9. If editing is complete, use the arrow keys to highlight *Done* and press **Enter**. Otherwise, use the arrow keys to highlight *Next* and press **Enter**. The movie's synopsis is displayed.

Synopsis



To edit the movie's synopsis, use the arrow keys to move the cursor to the field containing the synopsis and type a new synopsis.

10. If editing is complete, use the arrow keys to highlight *Done* and press **Enter**. The movie's information is displayed.

Internet TV

The ADMS-G2 can be used to view Internet TV videos from a variety of services.

Watch Internet TV

To watch Internet TV:

1. From the “Home” menu, use the arrow keys to highlight *Video* and press **Enter**.
2. Use the arrow keys to highlight *Internet TV* and press **Enter**. A list of Internet TV services is displayed.

Internet TV Services



3. Use the arrow keys to highlight the desired service and press **Enter**.
4. Use the arrow keys to highlight the desired subcategory and/or video within the service and press **Enter**.

Search Internet TV

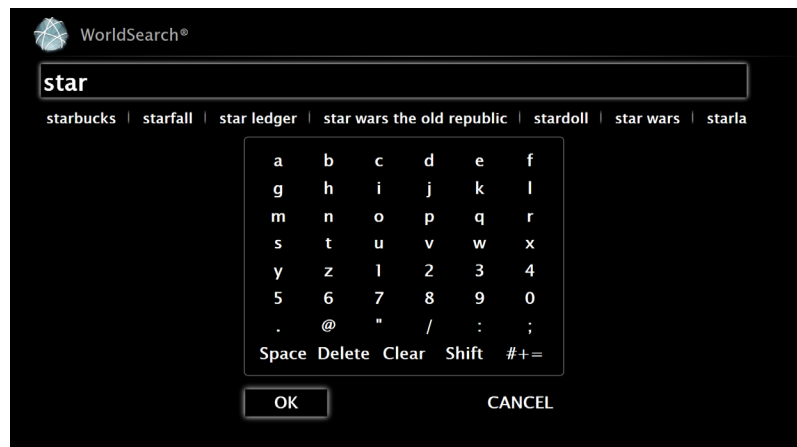
The ADMS-G2 can be used to search for a video from all of the Internet TV services or it can search within a service. To search Internet TV:

1. From the “Home” menu, use the arrow keys to highlight *Video* and press **Enter**.
2. Use the arrow keys to highlight *Internet Video* and press **Enter**. A list of Internet video services is displayed.

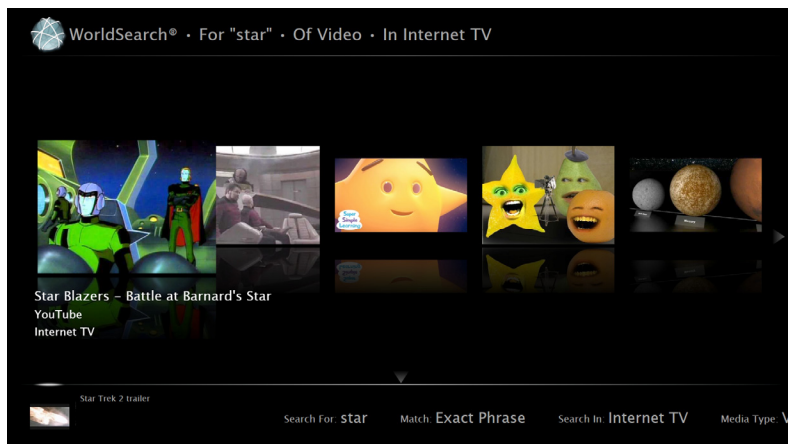
Internet Video Services

- To search all of the Internet TV services, use the arrow keys to highlight *Search* and press **Enter**. The *Search* tool is displayed.

NOTE: To search within a specific Internet TV service, use the arrow keys to highlight the desired service and press **Enter**. Then, use the arrow keys to highlight *Search* and press **Enter**.

Search Tool

- Enter the search term.
- Use the arrow keys to highlight *OK* and press **Enter**. The results of the search are displayed.

Search Results

6. Use the arrow keys to highlight the desired video and press **Enter**. The ADMS-G2 plays the selected video.

Netflix

The ADMS-G2 can be used to view videos in the Netflix catalog using a Netflix account.

Setup Netflix

Upon first use, the user's Netflix account must be linked with the ADMS-G2.

NOTE: A valid Netflix account with "Instant Watch" capability must be available.

To link the ADMS-G2 to a Netflix account:

1. Open the ADMS-G2's Internet browser to the member login page.
2. Select *Remember me on this computer* and sign in to the Netflix account.
3. Close the Internet browser and select *Netflix* from the ADMS-G2 Video menu.
4. Follow the on-screen instructions to link the ADMS-G2 to the Netflix account. After the link procedure is completed, the Netflix catalog is available for browsing.

NOTE: First-time playback may require the user to log in.

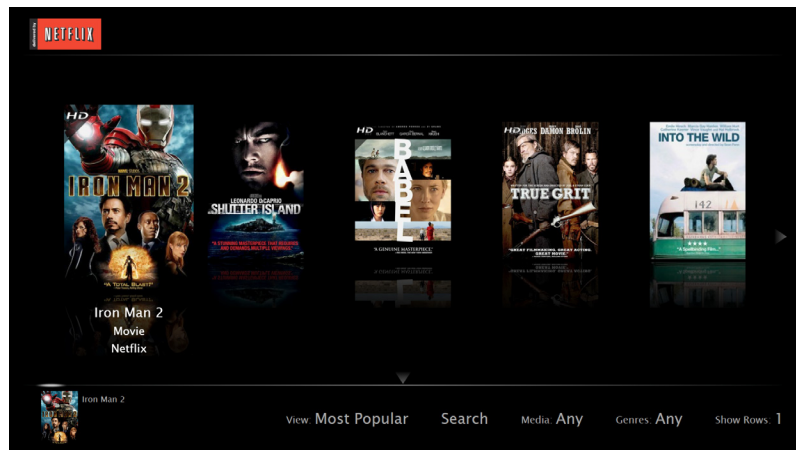
Browse the Netflix Catalog

After selecting the *Netflix* option, the Netflix catalog is displayed. The user can choose which video selections are displayed by selecting the category of video (most popular, recent additions, etc.), searching for videos based on a specified criteria, type of media (movie or television), or genre (sci-fi, romance, etc.). To specify what videos are displayed:

1. From the "Home" menu, use the arrow keys to highlight *Video* and press **Enter**.

- Use the arrow keys to highlight *Netflix* and press **Enter**. The Netflix catalog is displayed.

Netflix Catalog (Most Popular Videos)



NOTE: If this is the first time using Netflix, the user's Netflix account must be linked with the ADMS-G2. For instructions on linking the ADMS-G2 to a Netflix account, refer to "Setup Netflix" which starts on page 73.

- Use the arrow keys to highlight one of the display methods on the bottom of the display (*View, Search, Media, Genres*) and press **Enter**.

- **View**

Use the *View* tool to decide which videos are displayed.

- ⇒ **New Releases:** Display titles of the most recently released videos
- ⇒ **New Arrivals:** Displays the most recent titles that have been added to the Netflix catalog.
- ⇒ **Most Popular:** Displays the most popular titles.
- ⇒ **Instant Queue:** Displays titles that were added to the accounts Instant Queue from the Netflix Web site.
- ⇒ **Recently Watched:** Displays titles that were recently watched.

To use the *View* tool:

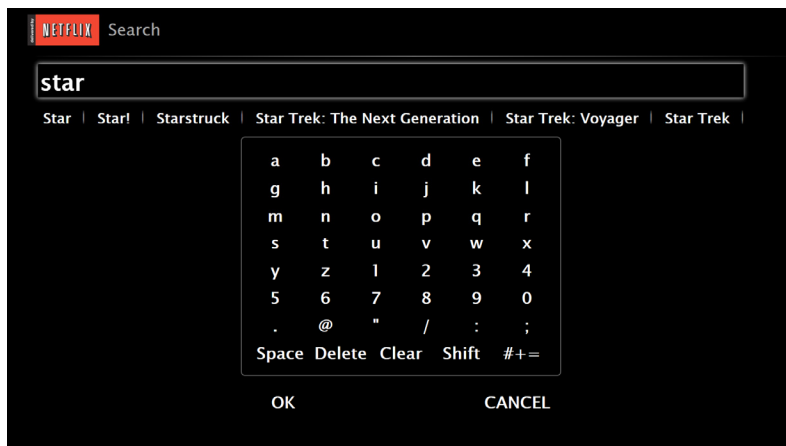
- Use the arrow keys to highlight *View* and press **Enter**.
- Use the arrow keys to highlight the desired viewing option and press **Enter**.

- **Search**

The ADMS-G2 can be used to search the Netflix catalog. To search the Netflix catalog:

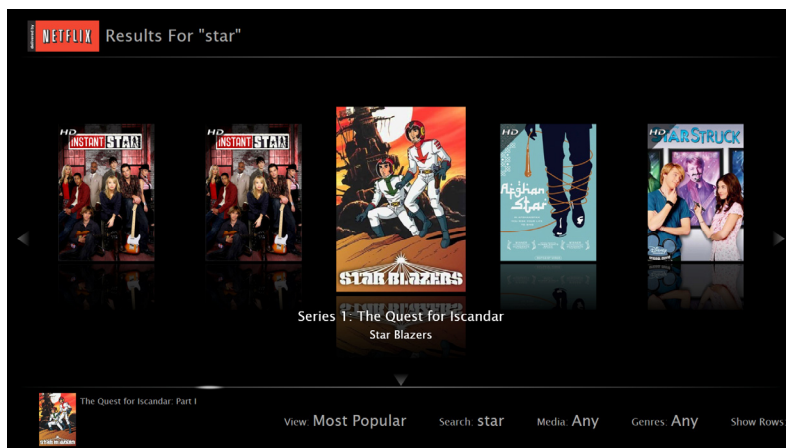
- Use the arrow keys to highlight *Search* and press **Enter**. The *Search* tool is displayed.

Search Tool



2. Enter the search term.
3. Use the arrow keys to highlight **OK** and press **Enter**. The results of the search are displayed.

Search Results



4. Use the arrow keys to highlight the desired video and press **Enter**. The ADMS-G2 plays the selected video.

- **Media**

Use the *Media* filter to display certain types of videos.

⇒ **Any**: Choose this option to display movies and television shows.

⇒ **Movies**: Choose this option display only movies.

⇒ **TV**: Choose this option to display only television shows.

Use the arrow keys to highlight the desired filter and press **Enter**.

- **Genre**

Use the *Genre* filter to display videos that are of a certain genre.

Use the arrow keys to highlight the desired genre and press **Enter**.

Watch a Netflix Video

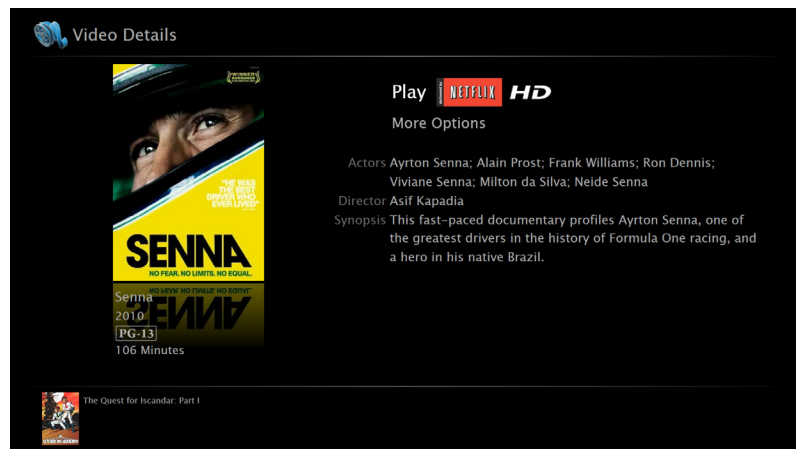
To watch a Netflix Video:

1. From the “Home” menu, use the arrow keys to highlight *Video* and press **Enter**.
2. Use the arrow keys to highlight *Netflix* and press **Enter**. A list of videos in the Netflix catalog is displayed.

NOTE: If this is the first time using Netflix, the user’s Netflix account must be linked with the ADMS-G2. For instructions on linking the ADMS-G2 to a Netflix account, refer to “Setup Netflix” which starts on page 73.

3. Use the arrow keys to navigate the Netflix catalog.
4. Use the arrow keys to highlight the desired video and press **Enter** to select the video for playback. Details of the selected video are displayed.

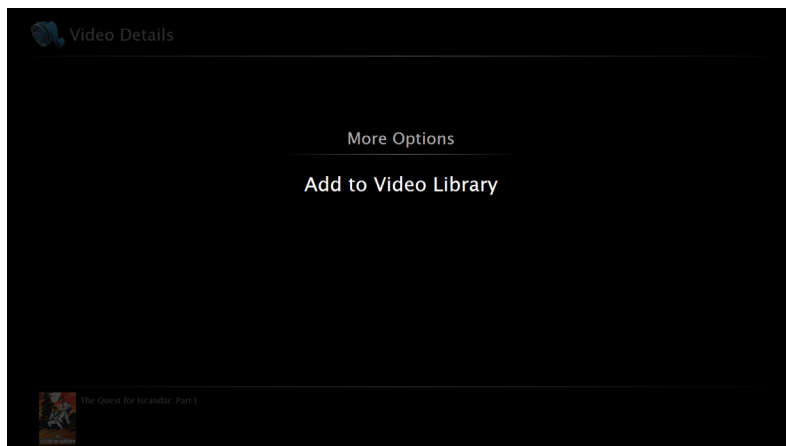
Video Details



5. Use the arrow keys to highlight *Play* and press **Enter**. The ADMS-G2 streams the content from the Netflix service.

Movies (not TV shows) can also be added to the ADMS-G2’s library to track and manage movie rental expiration dates. When a movie has been added to the ADMS-G2’s library, the ADMS-G2 notifies the user of its impending expiration date and removes the expired movie(s) from the library.

To add a Netflix movie to the ADMS-G2’s library, use the arrow keys to highlight *More Options* and press **Enter**.

Video Details

6. Use the arrow keys to highlight *Add to Video Library* and press **Enter**.

Remove a Netflix Account

To remove the Netflix account associated with the ADMS-G2:

1. Open the ADMS-G2 Internet browser to the Netflix member login page.
2. Sign in to the Netflix account.
3. Click *Your Account*.
4. Under *Preferences*, click on the link *Manage social software access*.
5. For the *Crestron ADMS* entry, click *Remove*.

NOTE: This unlinks all ADMS systems that are linked to the account.

6. Under *Watch Instantly On Your TV or Computer*, click *Manage Netflix ready devices and computers*.
7. Deactivate the PC device identified as the ADMS-G2.
8. Use the ADMS Internet browser to go to the Netflix member login page and click *Sign Out*.
9. Reboot the ADMS-G2.

Vudu

The ADMS-G2 can be used to view videos using a Vudu account. To watch Vudu content:

1. From the “Home” menu, use the arrow keys to highlight *Video* and press **Enter**.
2. Use the arrow keys to highlight *VUDU* and press **Enter**.

NOTE: If this is the first time using Vudu, a valid Vudu account must be registered with the ADMS-G2. For instructions on linking the ADMS-G2 to a Netflix account, refer to “Setup Vudu” below.

Setup Vudu

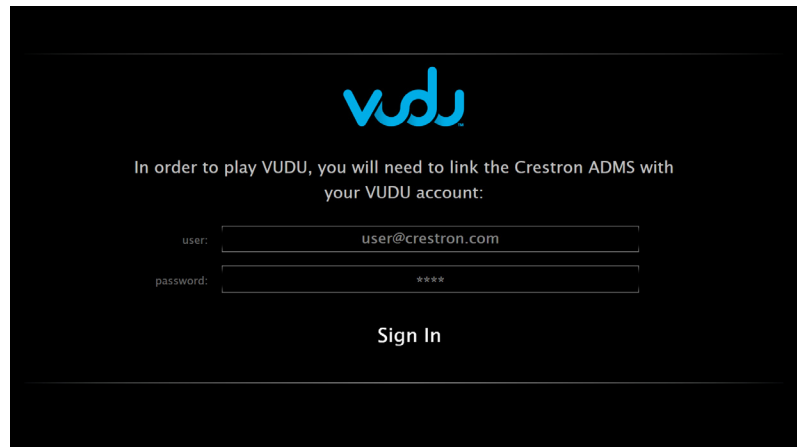
Upon first use, the user's Vudu account must be registered with the ADMS-G2.

NOTE: A valid Vudu account must be available.

To register the Vudu account on the ADMS-G2:

1. From the "Home" menu, use the arrow keys to highlight *Video* and press **Enter**.
2. Use the arrow keys to highlight *VUDU* and press **Enter**.

Vudu Registration

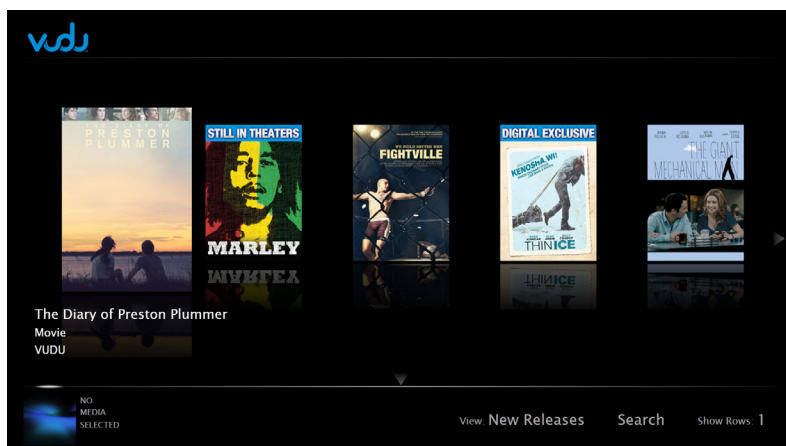


3. Type the email address associated with the Vudu account and press the down arrow (↓).
4. Type the password associated with the account and press the down arrow (↓) to highlight *Sign In*.
5. Press **Enter** to complete the process.

Browse the Vudu Catalog

After selecting the *VUDU* option, the Vudu catalog is displayed. The user can choose which video selections are displayed by selecting the category of video (most popular, recent additions, etc.), searching for videos based on a specified criteria, type of media (movie or television), or genre (sci-fi, romance, etc.). To specify what videos are displayed:

1. From the "Home" menu, use the arrow keys to highlight *Video* and press **Enter**.
2. Use the arrow keys to highlight *Vudu* and press **Enter**. The Vudu catalog is displayed.

Vudu Catalog (Most Popular Videos)

NOTE: If this is the first time using Vudu, the user's Vudu account must be linked with the ADMS-G2. For instructions on linking the ADMS-G2 to a Vudu account, refer to "Setup Netflix" which starts on page 78.

3. Use the arrow keys to highlight one of the display methods on the bottom of the display (*View*, *Search*) and press **Enter**.

- **View**

Use the *View* tool to decide which videos are displayed.

- ⇒ **New Releases:** Display titles of the most recently released videos
- ⇒ **New Arrivals:** Displays the most recent titles that have been added to the Vudu catalog.

To use the *View* tool:

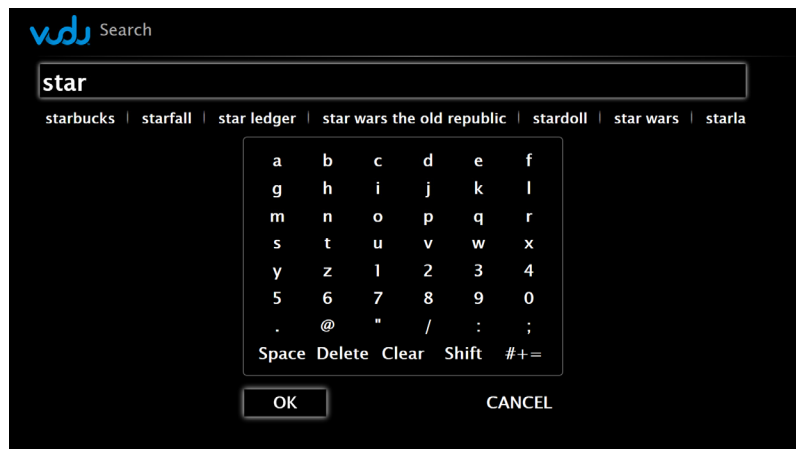
1. Use the arrow keys to highlight *View* and press **Enter**.
2. Use the arrow keys to highlight the desired viewing option and press **Enter**.

- **Search**

The ADMS-G2 can be used to search the Vudu catalog. To search the Vudu catalog:

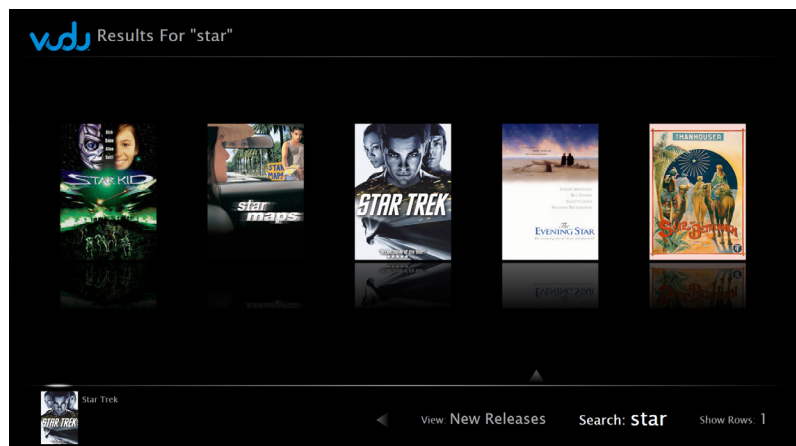
1. Use the arrow keys to highlight *Search* and press **Enter**. The *Search* tool is displayed.

Search Tool



2. Enter the search term.
3. Use the arrow keys to highlight **OK** and press **Enter**. The results of the search are displayed.

Search Results



4. Use the arrow keys to highlight the desired video and press **Enter**. The ADMS-G2 plays the selected video.

Watch a Vudu Video

To watch a Vudu Video:

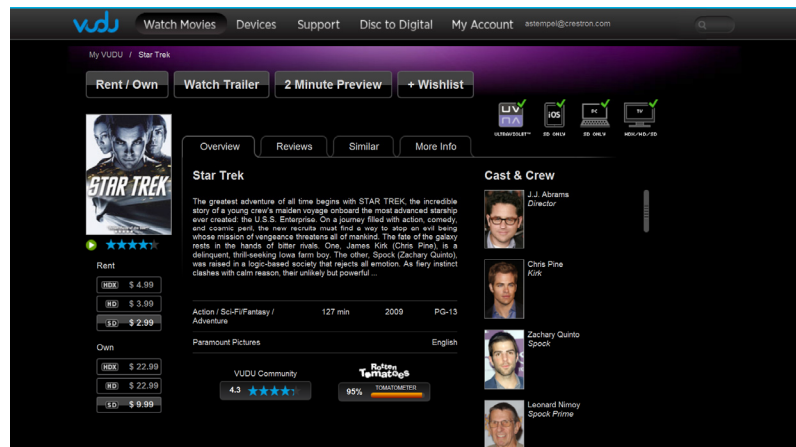
1. From the “Home” menu, use the arrow keys to highlight *Video* and press **Enter**.
2. Use the arrow keys to highlight *Vudu* and press **Enter**. A list of videos in the Vudu catalog is displayed.

NOTE: If this is the first time using Vudu, a valid Vudu account must be registered with the ADMS-G2. For instructions on linking the ADMS-G2 to a Netflix account, refer to “Setup Vudu” on page 78.

3. Use the arrow keys to navigate the Vudu catalog.

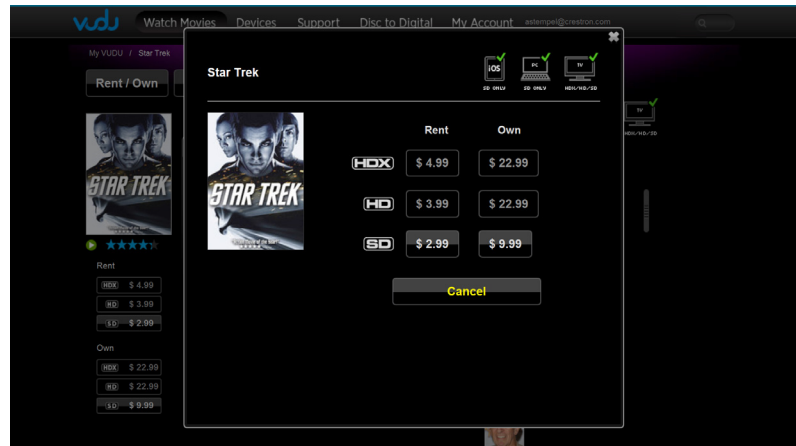
- Use the arrow keys to highlight the desired video and press **Enter** to select the video for playback. Details of the selected video are displayed.

Video Details



- Use the arrow keys to highlight *Rent/Own* and press **Enter**. A list of purchase and/or rental options are displayed (depending on title)

Video Purchase Options



- Use the arrow keys to highlight the desired purchase or rent option and press **Enter**. The ADMS-G2 streams the content from the Vudu service.

NOTE: The ADMS-G2 can only stream standard definition videos.

NOTE: A credit card must be stored on the Vudu Web site (www.vudu.com) to purchase or rent videos.

Log Out from Vudu

To sign out of the Vudu service, follow the instructions described in “Advanced Functions” on page 97.

Music

Select *Audio* to listen to audio tracks that are stored in the library, create and/or listen to playlists, and use the Pandora Internet radio service.

1. From the “Home” menu, use the arrow keys to highlight *Music* and press **Enter**.
2. Use the arrow keys to highlight the desired service (*Music Library*, *.View Playlists*, or *Pandora*) and press **Enter**.

NOTE: To use the Pandora Internet radio service, a user account must be configured for use on the ADMS-G2. For details, refer to “Pandora” which starts on page 89.

Music Playback

The ADMS-G2 can play music that is contained in the music library. To play music from the music library:

1. From the “Home” menu, use the arrow keys to highlight *Music* and press **Enter**.
2. Use the arrow keys to highlight *Music Library* and press **Enter**.
3. Use the arrow keys to highlight the desired album and press **Enter**.
 - To play the entire album:
 - a. Use the arrow keys to highlight *Album Operations* and press **Enter**.
 - b. Use the arrow keys to highlight *Play Now* and press **Enter**.

NOTE: Options for adding the album to a playlist, editing the album information, and deleting the album are also displayed. For more information, refer to “Add to a Playlist” on page 84, “Edit Album Information” which starts on page 85, or “Delete an Album” which starts on page 87.

- To play a specific song:
 - a. Use the arrow keys to highlight the song to play and press **Enter**.
 - b. Use the arrow keys to highlight *Play Now* and press **Enter**.

NOTE: Options for adding the song to a playlist, editing the album information, and deleting the song are also displayed. For more information, refer to “Add to a Playlist” on page 84, “Edit Song Information” which starts on page 88, or “Delete a Song” on page 89.

Playlists

The ADMS-G2 can be used to listen to and create custom playlists for playback of music.

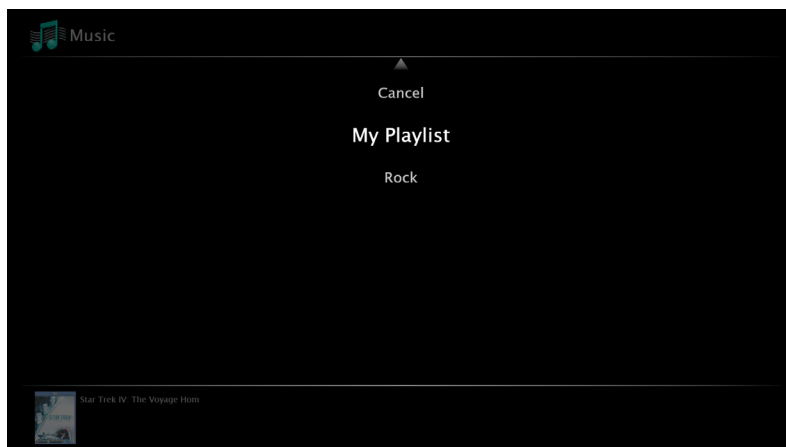
View/Listen/Edit/Delete Playlists

If playlists have already been created, they can be viewed, edited, deleted and selected for listening. To view, edit, delete, or listen to a playlist:

1. From the “Home” menu, use the arrow keys to highlight *Music* and press **Enter**.

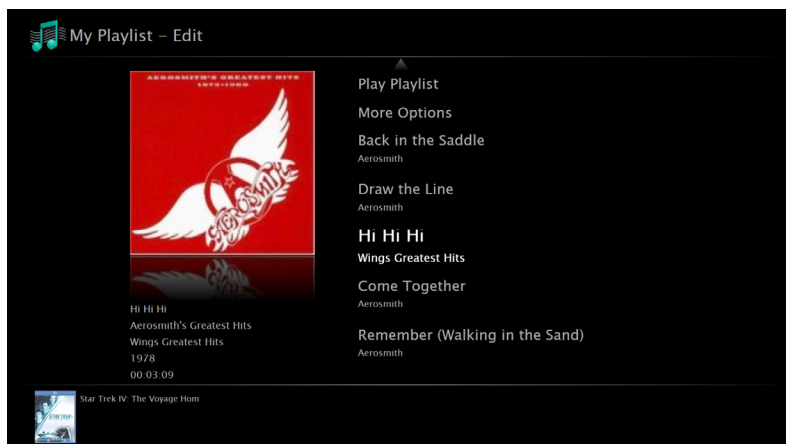
- Use the arrow keys to highlight *View Playlists* and press **Enter**.

List of Playlists



- Use the arrow keys to highlight the desired playlist and press **Enter**. The contents of the playlist are displayed.

Playlist Contents



- Use the arrow keys to highlight a function or song title and press **Enter**.
 - Play Playlist:** Plays the playlist contents.
 - More Options:** Provides the user the option of renaming the playlist or deleting the playlist.
 - Song Title:** Provides the user the option of starting playback (*Play Now*), previewing the song (*Preview*), or removing the song from the playlist (*Remove*).

Create a Playlist

A playlist of songs can be created for playback at a later time. To create a playlist:

- From the "Home" menu, use the arrow keys to highlight *Music* and press **Enter**.
- Use the arrow keys to highlight *Music Library* and press **Enter**.
- Use the arrow keys to highlight a desired album or song and press **Enter**.

4. Add the item to the playlist:
 - **Album:**
 1. Use the arrow keys to highlight *Album Operations* and press **Enter**.
 2. Use the arrow keys to highlight *Add To Playlist* and press **Enter**.
 3. Use the arrow keys to highlight *Create New Playlist* and press **Enter**.
 4. Type the name of the new playlist and press **Enter**.
 - **Song:**
 1. Use the arrow keys to highlight *Add To Playlist* and press **Enter**.
 2. Use the arrow keys to highlight *Create New Playlist* and press **Enter**.
 3. Type the name of the new playlist and press **Enter**.

Add to a Playlist

An album or song can be added to an existing playlist. To add to a playlist:

1. From the “Home” menu, use the arrow keys to highlight *Music* and press **Enter**.
2. Use the arrow keys to highlight *Music Library* and press **Enter**.
3. Use the arrow keys to highlight a desired album or song and press **Enter**.
4. Add the item to the playlist:
 - **Album:**
 1. Use the arrow keys to highlight *Album Operations* and press **Enter**.
 2. Use the arrow keys to highlight *Add To Playlist* and press **Enter**.
 3. Use the arrow keys to highlight the desired playlist and press **Enter**.
 - **Song:**
 1. Use the arrow keys to highlight *Add To Playlist* and press **Enter**.
 2. Use the arrow keys to highlight the desired playlist and press **Enter**.

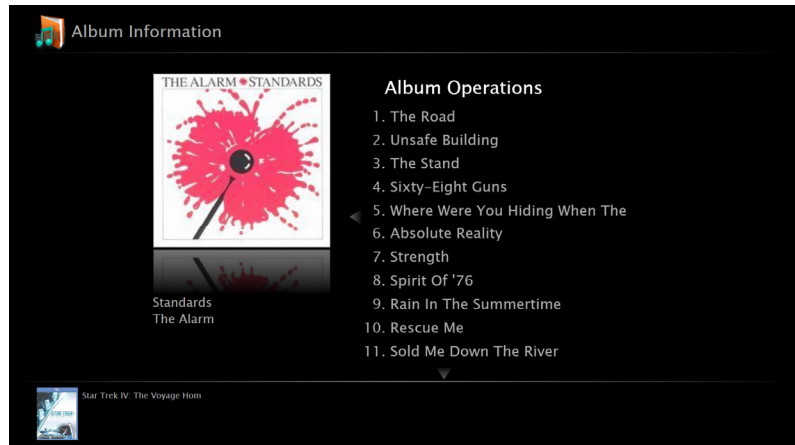
Album Operations

Edit Album Information

The ADMS-G2 uses metadata obtained from an online service to provide information about albums in the audio library. A customer may wish to edit metadata to change information provided from the online service. To edit an album’s information:

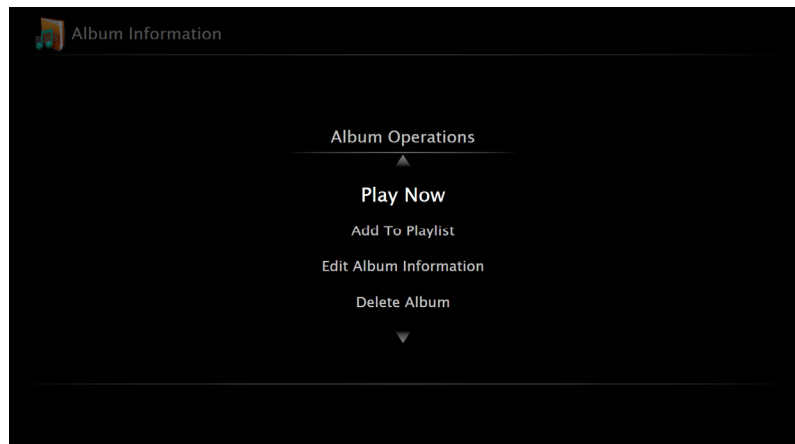
1. Select an album for editing from the music library as described in “Music Playback” on page 82.

Selected Album



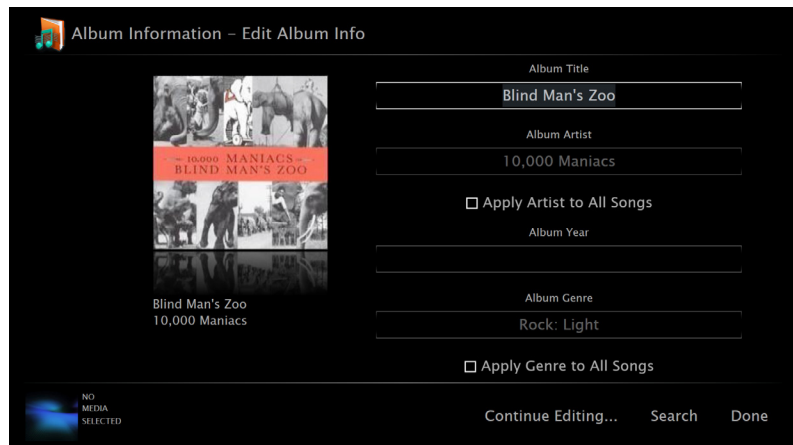
2. Use the arrow keys on the keyboard to highlight *Album Operations* and press **Enter**. A list of options is displayed.

Album Operations



- Use the arrow keys on the keyboard to highlight *Edit Album Information* and press **Enter**. The album's information is displayed.

Album Information

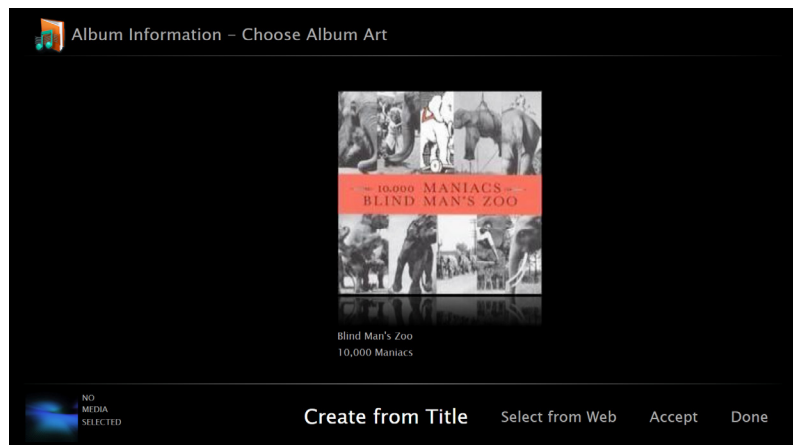


- To edit a field, use the arrow keys to highlight a field and type the new information.

To mark or unmark a checkbox, use the arrow keys to highlight a checkbox option and press **Enter**.

If editing is complete, accept the album information by using the arrow keys to highlight *Done* and press **Enter**. To select album art, use the arrow keys to highlight *Continue Editing...* and press **Enter**. Options for selecting the album's cover art are displayed.

Cover Art



- Cover art can be created from the album title, selected from a Web-based image search of the album title, or accepted from the online service. Use the arrow keys to highlight the desired function and press **Enter**.
 - Create from Title:** Use the *Create from Title* function to create a generic cover art image that contains the album title.
 - Select from Web:** Use the *Select from Web* function to display a Web-based image search of the album title. A selected image can then be used as the album cover art.

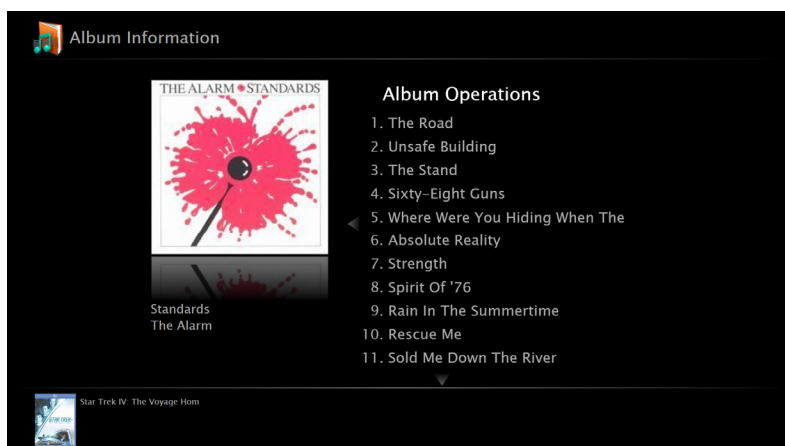
- a. In the Web browser, use the arrow keys to move the cursor to the *GET IMAGE* button and press **Enter**.
 - b. Use the arrow keys to move the cursor to the desired image and press **Enter**. A popup window asks the user to confirm the selection.
 - c. To confirm the selection, use the arrow keys to move the cursor to *Yes* and press **Enter**. To cancel, use the arrow keys to move the cursor to *No* and press **Enter**.
6. If editing is complete, accept the displayed cover art by using the arrow keys to highlight *Done* and press **Enter**.

Delete an Album

An album can be deleted from the music library. To delete an album from the music library:

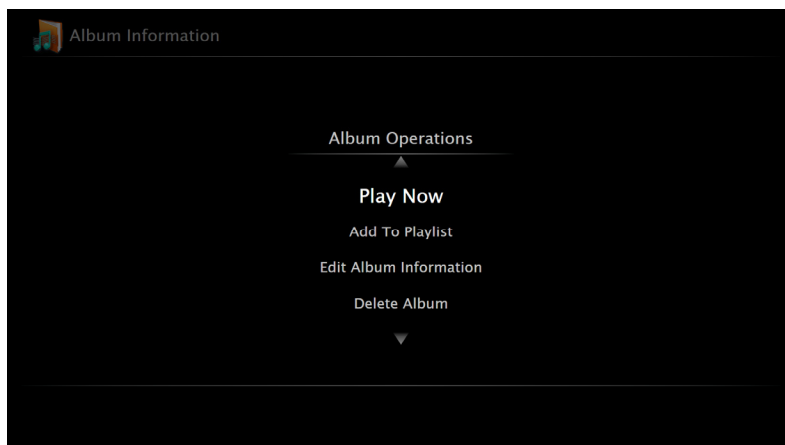
1. Select an album from the music library as described in “Music Playback” on page 82.

Selected Album



2. Use the arrow keys on the keyboard to highlight *Album Operations* and press **Enter**. A list of options is displayed.

Album Operations



3. Use the arrow keys on the keyboard to highlight *Delete Album* and press **Enter**.
4. To confirm album deletion, use the arrow keys on the keyboard to highlight *Yes* and press **Enter**. To cancel, use the arrow keys on the keyboard to highlight *No* and press **Enter**.

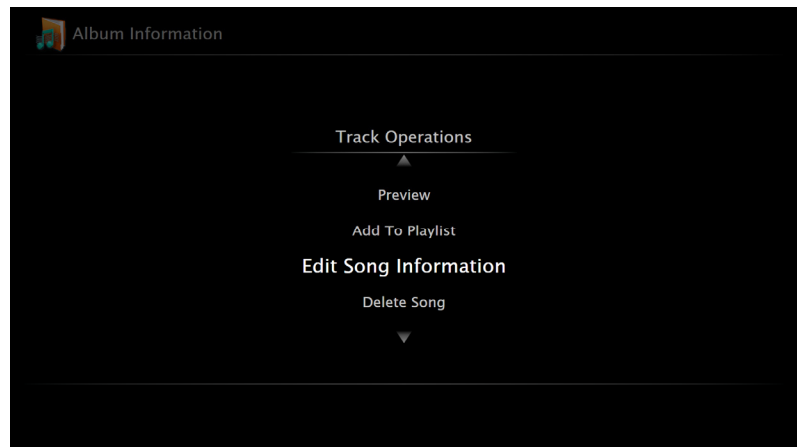
Track Operations

Edit Song Information

A song's information can be edited. To edit:

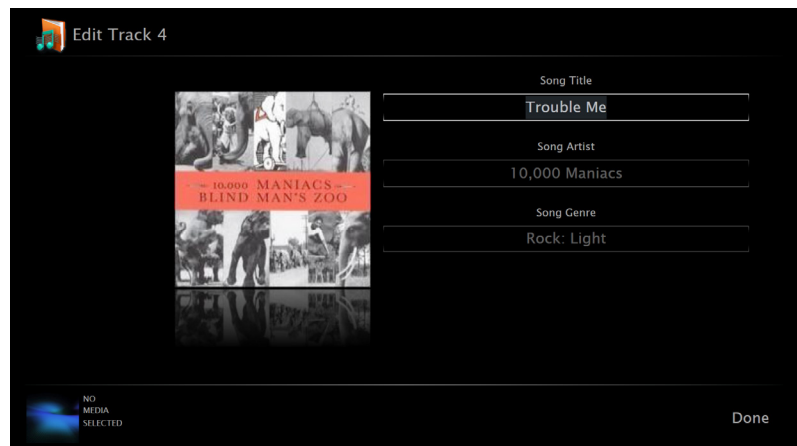
1. Select a song for editing from the music library as described in “Music Playback” on page 82. A list of options is displayed.

Track Operations



2. Use the arrow keys on the keyboard to highlight *Edit Song Information* and press **Enter**.

Song Information



3. Edit the song information:
 - a. Use the arrow keys to move the cursor to the field containing the information to be edited and edit the information as desired.
 - b. If editing is complete, use the arrow keys to highlight *Done* and press **Enter**.

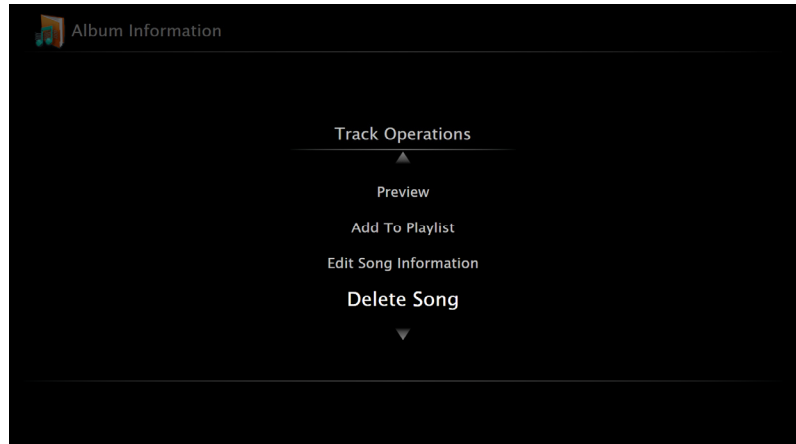
4. Repeat for each song to be edited.

Delete a Song

A song can be deleted from the music library. To delete:

1. Select a song for deletion from the music library as described in “Music Playback” on page 82. A list of options is displayed.

Track Operations



2. Use the arrow keys on the keyboard to highlight *Delete Song* and press **Enter**.
3. To confirm song deletion, use the arrow keys on the keyboard to highlight *Yes* and press **Enter**. To cancel, use the arrow keys on the keyboard to highlight *No* and press **Enter**.

Pandora

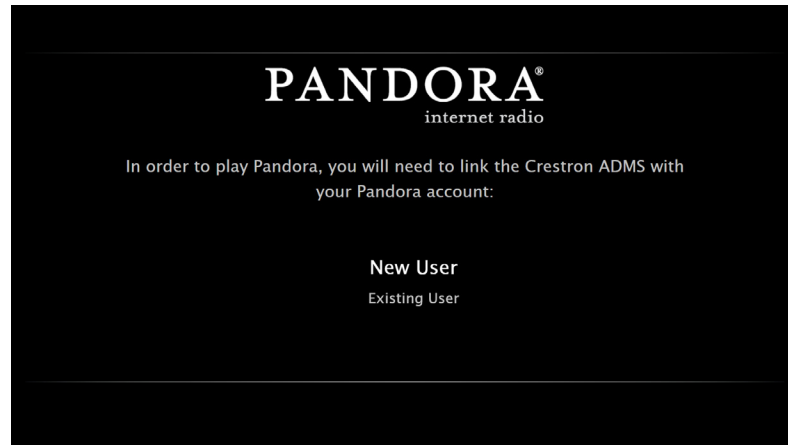
The ADMS-G2 can be used to create and listen to Pandora Internet Radio stations.

1. From the “Home” menu, use the arrow keys to highlight *Music* and press **Enter**.
2. Use the arrow keys to highlight *Pandora* and press **Enter**. If a user is not logged in, the ADMS-G2 displays login options as described in “Login” which starts on page 90.

Login

If a Pandora user is not logged in, a list of login options is displayed.

Pandora Login Options



Use the arrow keys to highlight an option and press **Enter**.

New User

If the user does not have a Pandora account, a new account can be created on the ADMS-G2. To create a new Pandora Account:

1. Use the arrow keys to highlight *New User* and press **Enter**. A Web address and activation code are displayed. Record the activation code on a piece of paper and continue to step 2.
2. Use the ADMS-G2's integrated Internet browser to visit the displayed Web address from step 1. For details on using the Internet browser, refer to "Internet Browser", which starts on page 96.
3. Use the activation code from step 1 and follow the displayed instructions to create a Pandora account.

Existing User

If the user has a Pandora account, they can log in to the Pandora service using the ADMS-G2. To create a new Pandora Account:

1. Use the arrow keys to highlight *Existing User* and press **Enter**. The Pandora login is displayed.

Pandora Login



2. Use the keyboard to enter the user name (accountholder's email address).

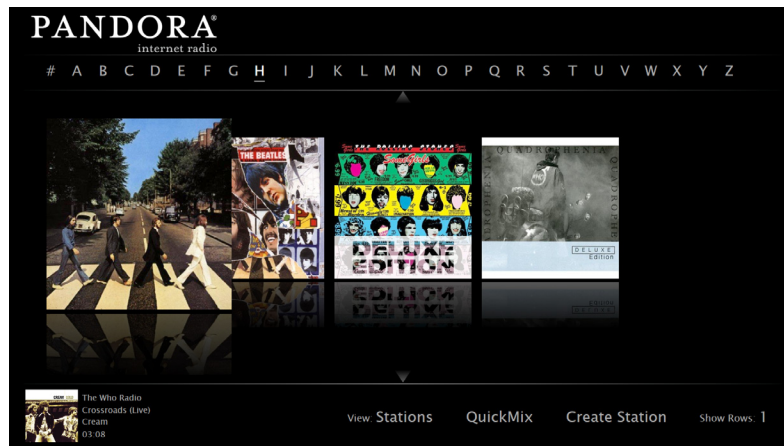
3. Use the arrow key to move the cursor to the *password* field and type the new password.
4. Use the arrow keys to highlight *Sign In* and press **Enter**.

If the password is forgotten, enter the user name as described in step 2 and use the arrow keys to highlight *Email password* and press **Enter**.

Use Pandora

After logging in, the Pandora station library is displayed.

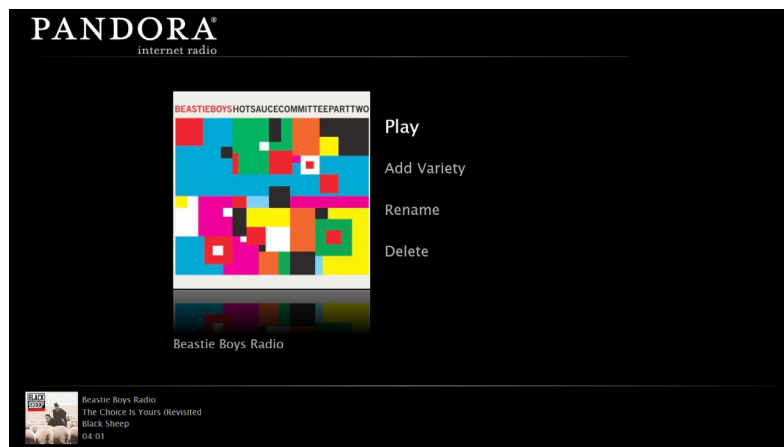
Pandora Station Library



The Pandora Station

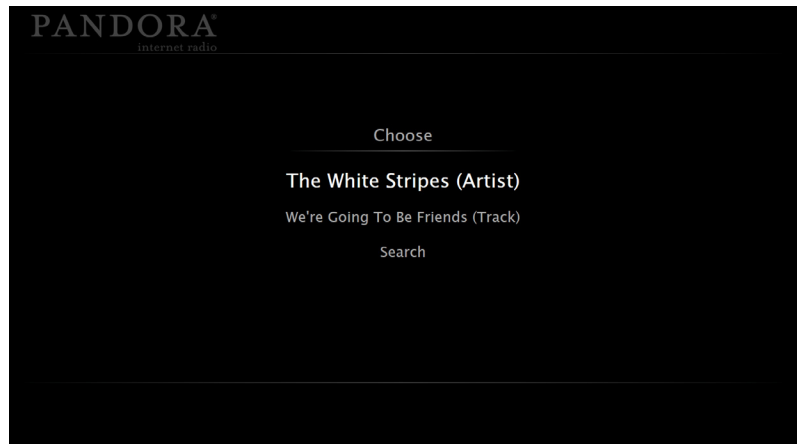
To select a station, use the arrow keys to highlight the desired station and press **Enter**.

Selected Pandora Station



Use the arrow keys to highlight the desired function and press **Enter**.

- **Play:** Plays the selected Pandora station. For more information, refer to “Play the Pandora Station” on page 92.
- **Add Variety:** You can add variety to the current station’s track mix. Added variety can consist of the currently playing track, the currently playing artist or any other artist, track or genre. To add more variety to the current station:
 1. Use the arrow keys to highlight *Add Variety* and press **Enter**.

Choose Selection Criteria

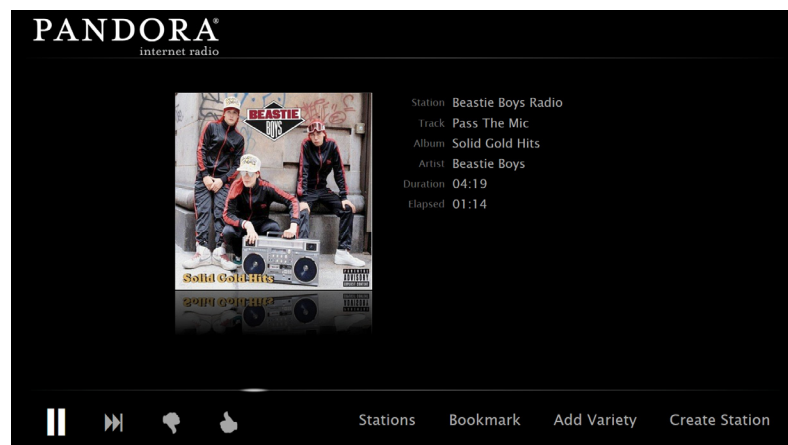
2. Use the arrow keys to highlight the currently playing artist or currently playing track to be added and press **Enter**.

To enter a different item to the station's variety, use the arrow keys to highlight *Search*, enter the search term and choose from the results to add to the station's variety.

- **Rename:** You can rename a Pandora station. To rename:
 1. Use the arrow keys to highlight *Rename* and press **Enter**.
 2. Type the new name of the station and press **Enter**.
- **Delete:** You can delete a Pandora station from the account. To delete:
 1. Use the arrow keys to highlight *Delete* and press **Enter**.
 2. To confirm the deletion, use the arrow keys to highlight *Yes* and press **Enter**. To cancel, use the arrow keys to highlight *No* and press **Enter**.

Play the Pandora Station



When *Play* is selected, playback begins and information about the current station, track, and album is displayed. Controls for playback, ranking, and station customization are also displayed.

Pandora Station Playback

- **Playback Controls**

- ⇒ To pause the current track, use the arrow keys to highlight **||** and press **Enter**.
- ⇒ To resume playback, use the arrow keys to highlight **▶** and press **Enter**.
- ⇒ To skip to the next track, use the arrow keys to highlight **▶▶** and press **Enter**.

- **Rate a Track**

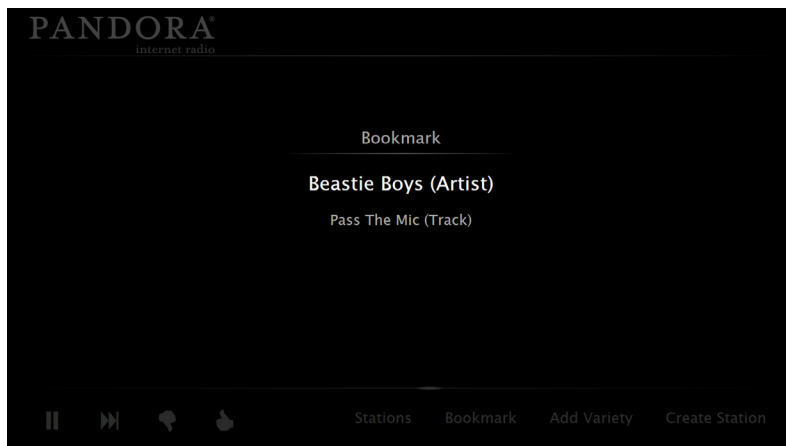
- ⇒ To rate the current track negatively and remove from the station, use the arrow keys to highlight  and press **Enter**.
- ⇒ To rate the current track positively, use the arrow keys to highlight  and press **Enter**.

- **Bookmark a Track**

You can bookmark the currently playing track or artist for later review on the Pandora Web site. To bookmark the currently playing track or artist:

1. Use the arrow keys to highlight *Bookmark* and press **Enter**.

Choose Bookmark



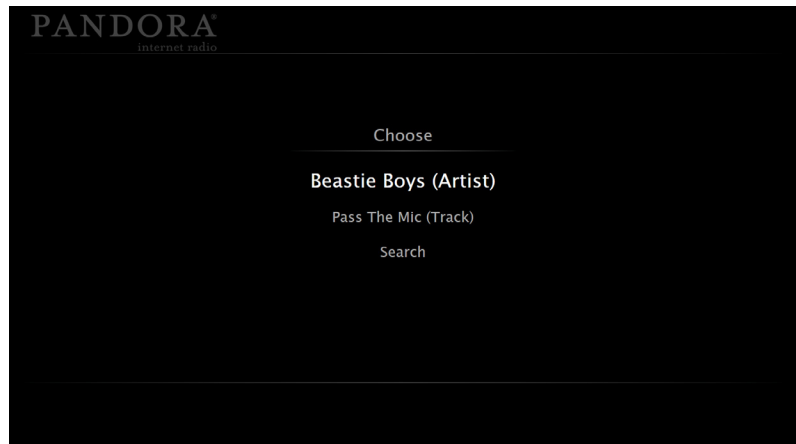
2. Use the arrow keys to highlight the artist or track to be bookmarked and press **Enter**.

- **Add Variety**

You can add variety to the current station's track mix. Added variety can consist of the currently playing track, the currently playing artist or any other artist, track or genre. To add more variety to the current station:

1. Use the arrow keys to highlight *Add Variety* and press **Enter**.

Choose Selection Criteria



2. Use the arrow keys to highlight the currently playing artist or currently playing track to be added and press **Enter**.

To enter a different item to the station's variety, use the arrow keys to highlight *Search*, enter the search term and choose from the results to add to the station's variety.

- **Rename**

You can rename a Pandora station. To rename:

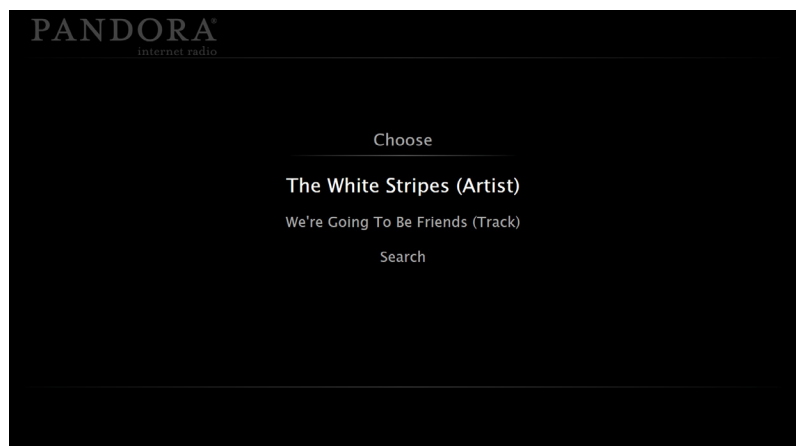
1. Use the arrow keys to highlight *Rename* and press **Enter**.
2. Type the new name of the station and press **Enter**.

- **Create Station**

To create a new Pandora station based on the currently playing artist or currently playing track or based on other criteria:

1. Use the arrow keys to highlight *Create Station* and press **Enter**.

Choose Criteria for New Station



2. Use the arrow keys to highlight the currently playing artist or currently playing track to be used as the basis for the new station and press **Enter**.

To search for different criteria, use the arrow keys to highlight *Search*, enter the search term, and choose from the results to create the new station.

Create Pandora Stations

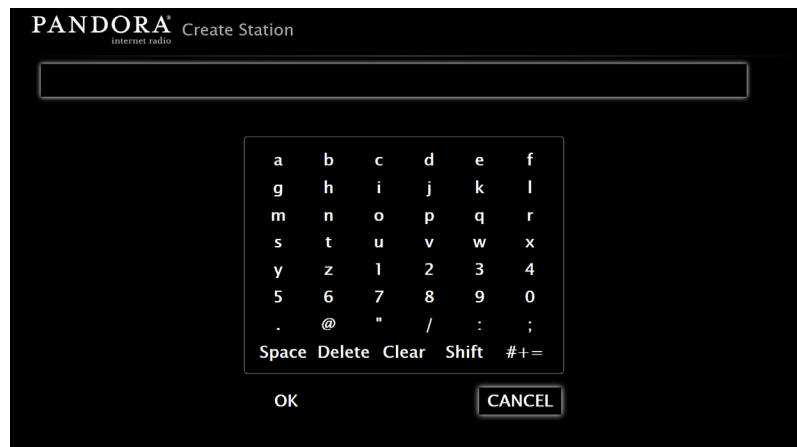
The ADMS-G2 can create a station based on a search term or create a “Quickmix” station that is based on all of the user’s stations.

- **Create Station**

To create a new Pandora station based on the currently playing artist or currently playing track or based on other criteria:

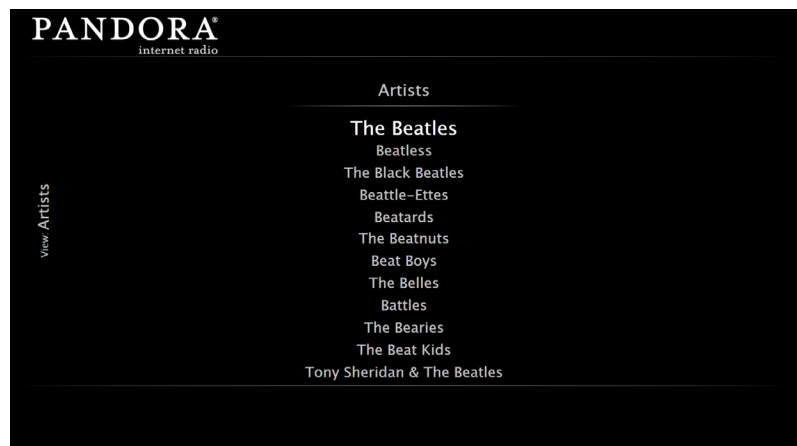
1. Use the arrow keys to highlight *Create Station* and press **Enter**.

Enter Criteria for New Station



2. Use the keyboard to enter the search term.
3. Use the arrow keys to highlight *OK* and press **Enter**. A list of matching artists is displayed.

Search Results for New Station (View: Artists)



To view a list of matching tracks, use the arrow keys to highlight *View: Artists* on the left side of the list and press **Enter**.

4. Use the arrow keys to highlight the item that best matches the search criteria and press **Enter**. The new station starts to play.
- **QuickMix**
To create a new Pandora station based on the current user’s stations, use the arrow keys to highlight *QuickMix* and press **Enter**.

Logout

To sign out of the Pandora service, follow the instructions described in “Advanced Functions” on page 97.

Photos and Home Movies

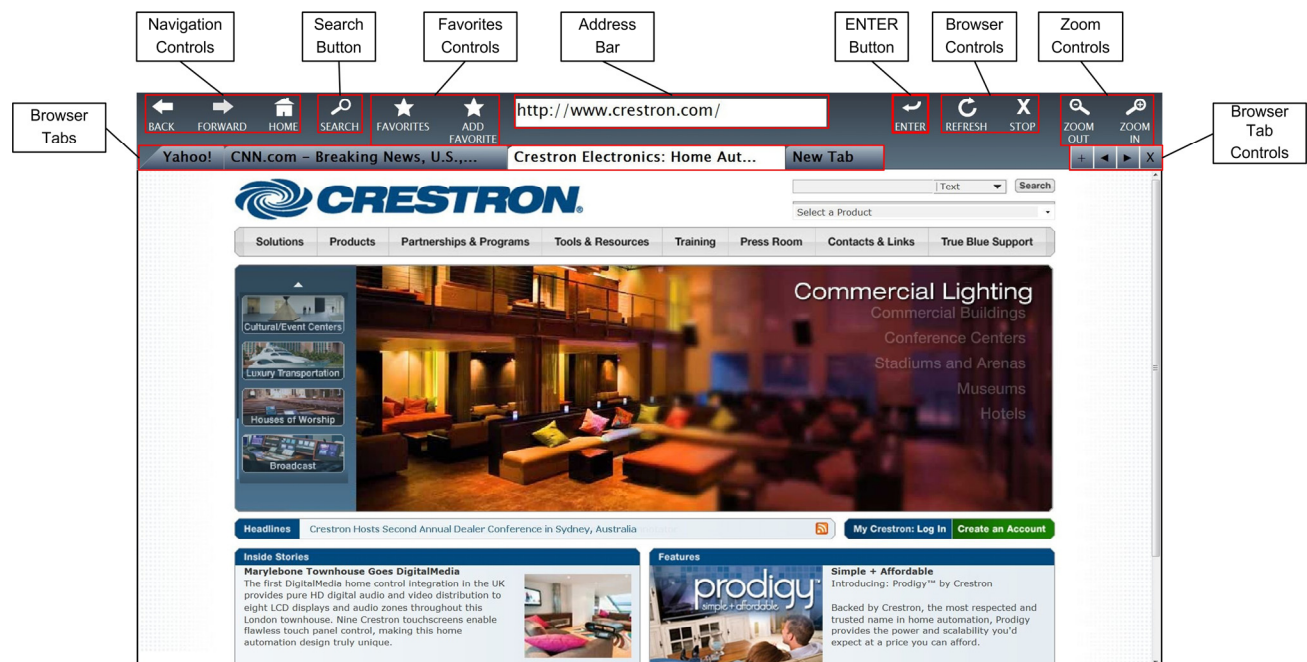
Select *Photos and Home Movies* section to browse photos and home movies that are stored in the library. To browse photos and home movies:

1. From the “Home” menu, use the arrow keys to highlight *Photos and Home Movies* and press **Enter**.
2. To view an item, use the arrow keys to highlight the item and press **Enter**.

Internet Browser

The ADMS-G2’s integrated Internet browser can be used for navigating the World Wide Web. To navigate the Web browser, a keyboard or a touch screen with keyboard programming is required. The following diagram shows the Internet browser’s controls.

Internet Browser Controls



NOTE: The Up/Down/Left/Right keys on either a remote control or a keyboard are changed to move the mouse when pressed.

- **Navigation Controls:** Use the navigation controls to move forward and backward through browsed Web pages and return to the Internet browser’s startup (home) page. To move back to the previous page, use the arrow keys to move the cursor to the **BACK** button and press **Enter**. To move forward to the previous page, use the keyboard to move the cursor to the **FORWARD** button and press **Enter**. To return to the Internet browser’s home page, use the keyboard to move the cursor to the **HOME** button and press **Enter**.

- **SEARCH Button:** To display the Internet browser's search engine page, use the arrow keys to move the cursor to the **SEARCH** button and press **Enter**.
- **Address Bar:** The address bar contains the Web site address of the currently displayed Web page. To enter an address of a Web page to visit:
 1. Use the arrow keys to move the cursor to the address bar and press **Enter**.
 2. Type in the URL (Web address) and press **Enter**.
- **ENTER Button:** The **ENTER** button can be used to accept whatever is displayed in the address bar. To use the **ENTER** button, use the arrow keys to move the cursor to the **ENTER** button and press **Enter**.
- **Browser Controls:** Use the **REFRESH** button to reload the currently displayed page. Use the **STOP** button to stop a page from loading. To use the **REFRESH** or **STOP** button, use the arrow keys to move the cursor to the desired button and press **Enter**.
- **Zoom Controls:** Use the zoom controls to zoom in (**ZOOM IN** button) or zoom out (**ZOOM OUT** button) of a Web page. To use the **ZOOM IN** or **ZOOM OUT** button, use the arrow keys to move the cursor to the desired function and press **Enter**.
- **Browser Tabs:** The Internet browser can have multiple Web sites available as different tabs. To select a tab for viewing, use the arrow keys to move the cursor to a tab and press **Enter**. Tabs can be created, browsed, or removed with the Browser Tab Controls. For more information, refer to "Browser Tab Controls" on page below.

NOTE: The Up/Down/Left/Right keys on either a remote control or a keyboard are changed to move the mouse when pressed.

- **Browser Tab Controls:** Use the browser tab controls to add, scroll through, or delete browser tabs from the Internet browser.
 - ⇒ **+ (Add):** Use the **+** control to add a browser tab to the Internet browser. New browser tabs are added as blank Web pages and are labeled "New Tab".
 - ⇒ **◀ and ▶ (Browse):** Use the **◀** and **▶** controls to browse through browser tabs.
 - ⇒ **X (Close):** Use the **X** control to close the selected browser tab.

To use a browser tab control, use the arrow keys to move the cursor to the desired function and press **Enter**.

The Internet browser can also use shortcuts to perform commonly used functions. For a list of keyboard shortcuts to use with the ADMS-G2's integrated Internet browser, refer to "Appendix: Internet Browser Keyboard Shortcuts" on page 101.

Advanced Functions

Select *Advanced Functions* to check for firmware updates, check for new media on networked drives, logout from Pandora and Vudu, or restart the ADMS-G2.

- To check for firmware updates, use the arrow keys to highlight *Check for Update* and press **Enter**.

- To check for new media, use the arrow keys to highlight *Check for New Media* and press **Enter**.
- To logout of Vudu or Pandora:
 1. Use the arrow keys to highlight *User Configuration* and press **Enter**.
 2. Use the arrow keys to highlight the service to log out from and press **Enter**.
- To restart the ADMS-G2, use the arrow keys to highlight *Restart* and press **Enter**

Problem Solving

Troubleshooting

The following table provides corrective action for possible trouble situations. If further assistance is required, please contact a Crestron customer service representative.

ADMS-G2 Troubleshooting

TROUBLE	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
Sound is not heard.	ADMS-G2 is not configured for desired audio output.	Verify that the devices plugged into the ADMS-G2 match the audio types defined in the "Audio Setup" window (refer to page 20).
Video does not appear correctly.	ADMS-G2 is not configured to match desired video display.	Verify that the resolution on the "Video Setup" window (refer to page 22) matches a video resolution that is supported by your display device.
Loss of functionality due to electrostatic discharge.	Improper grounding.	Check that all ground connections have been made properly.

Reference Documents

The latest version of all documents mentioned within the guide can be obtained from the Crestron Web site (www.crestron.com/manuals).

List of Related Reference Documents

DOCUMENT TITLE
Crestron e-Control Reference Guide
CEN-BDP-CX7000ES Quickstart Guide

Further Inquiries

If you cannot locate specific information or have questions after reviewing this guide, please take advantage of Crestron's award winning customer service team by calling Crestron at 1-888-CRESTRON [1-888-273-7876]. For assistance in your region, please refer to the Crestron Web site (www.crestron.com/offices) for a listing of Crestron worldwide offices.

You can also log onto the online help section of the Crestron Web site (www.crestron.com/onlinehelp) to ask questions about Crestron products. First-time users must establish a user account to fully benefit from all available features.

Future Updates

As Crestron improves functions, adds new features and extends the capabilities of the ADMS-G2, additional information may be made available as manual updates.

These updates are solely electronic and serve as intermediary supplements prior to the release of a complete technical documentation revision.

Check the Crestron Web site periodically for manual update availability and its relevance. Updates are identified as an “Addendum” in the Download column.

Appendix: Internet Browser Keyboard Shortcuts

The following table lists keyboard shortcuts that can be used with the ADMS-G2's Internet browser.

List of Internet Browser Keyboard Shortcuts

ACTION	SHORTCUT
Zoom in	CTRL + PLUS
Zoom out	CTRL + MINUS
Zoom to 100%	CTRL + 0
Refresh page	CTRL + F5 or F5
Open Favorites	CTRL + I
Add Favorites	CTRL + D
Open new tab	CTRL + T
Close tab	CTRL + W
Switch to next tab	CTRL + TAB
Scroll to top of document	CTRL + N
Scroll to end of document	CTRL + S
Scroll to left of document	CTRL + L
Scroll to right of document	CTRL + R
Scroll to center of document	CTRL + X
Scroll document down fast	CTRL + 1
Scroll document up fast	CTRL + 2
Scroll document right fast	CTRL + 3
Scroll document left fast	CTRL + 4
Scroll document down slow	ALT + 1
Scroll document up slow	ALT + 2
Scroll document right slow	ALT + 3
Scroll document left slow	ALT + 4
Go to home page	ALT + HOME or CTRL + H
Go backward	ALT + LEFT
Go forward	ALT + RIGHT
Select address bar	ALT + D or F2

Return and Warranty Policies

Merchandise Returns / Repair Service

1. No merchandise may be returned for credit, exchange or service without prior authorization from Crestron. To obtain warranty service for Crestron products, contact an authorized Crestron dealer. Only authorized Crestron dealers may contact the factory and request an RMA (Return Merchandise Authorization) number. Enclose a note specifying the nature of the problem, name and phone number of contact person, RMA number and return address.
2. Products may be returned for credit, exchange or service with a Crestron Return Merchandise Authorization (RMA) number. Authorized returns must be shipped freight prepaid to Crestron, 6 Volvo Drive, Rockleigh, N.J. or its authorized subsidiaries, with RMA number clearly marked on the outside of all cartons. Shipments arriving freight collect or without an RMA number shall be subject to refusal. Crestron reserves the right in its sole and absolute discretion to charge a 15% restocking fee plus shipping costs on any products returned with an RMA.
3. Return freight charges following repair of items under warranty shall be paid by Crestron, shipping by standard ground carrier. In the event repairs are found to be non-warranty, return freight costs shall be paid by the purchaser.

Crestron Limited Warranty

Crestron Electronics, Inc. warrants its products to be free from manufacturing defects in materials and workmanship under normal use for a period of three (3) years from the date of purchase from Crestron, with the following exceptions: disk drives and any other moving or rotating mechanical parts, pan/tilt heads and power supplies are covered for a period of one (1) year; touch screen display and overlay components are covered for 90 days; batteries and incandescent lamps are not covered.

This warranty extends to products purchased directly from Crestron or an authorized Crestron dealer. Purchasers should inquire of the dealer regarding the nature and extent of the dealer's warranty, if any.

Crestron shall not be liable to honor the terms of this warranty if the product has been used in any application other than that for which it was intended or if it has been subjected to misuse, accidental damage, modification or improper installation procedures. Furthermore, this warranty does not cover any product that has had the serial number altered, defaced or removed.

This warranty shall be the sole and exclusive remedy to the original purchaser. In no event shall Crestron be liable for incidental or consequential damages of any kind (property or economic damages inclusive) arising from the sale or use of this equipment. Crestron is not liable for any claim made by a third party or made by the purchaser for a third party.

Crestron shall, at its option, repair or replace any product found defective, without charge for parts or labor. Repaired or replaced equipment and parts supplied under this warranty shall be covered only by the unexpired portion of the warranty.

Except as expressly set forth in this warranty, Crestron makes no other warranties, expressed or implied, nor authorizes any other party to offer any warranty, including any implied warranties of merchantability or fitness for a particular purpose. Any implied warranties that may be imposed by law are limited to the terms of this limited warranty. This warranty statement supersedes all previous warranties.

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