Crestron ADMS
Intermedia Delivery System™
Operations Guide

This document was prepared and written by the Technical Documentation department at:

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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 can be used with Class 2 output wiring.

Regulatory Compliance

As of the date of manufacture, the ADMS 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.

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Intermedia Delivery System™: ADMS

Introduction

The Crestron® Intermedia Delivery System™ (ADMS) Provides a powerful and user-friendly solution for accessing movies, videos, and music content from a full array of sources, whether from a DVD or Blu-ray Disc™, local hard drive, network device, or the Internet.

Features and Functions

- Removes the boundaries between movies, music, TV, and the Internet
- Delivers all the content you want from DVDs, Blu-ray Discs, CDs, MP3s, iTunes Plus®, Windows Media™, Netflix®, Amazon.com®, YouTube® and virtually any other online source you desire
- Organizes everything in an intuitive on-screen or touchpanel user interface
- Allows easy searching by title, actor, artist, genre, etc.
- WorldSearch® instantly finds the content you want — whether it is on a hard drive, optical disc, or the Internet — and delivers it to your home theater in full HD and 7.1 surround sound
- Purchase or rent movies and videos right on-screen
- Integrated Web browser enables access to all your favorite websites
- Onboard Blu-ray Disc drive allows playing DVDs and importing CDs
- Stores up to 1,000 Blu-ray Discs and DVDs by linking up to five Crestron ADC-200BR units (optional)
- 1TB internal hard drive storage
- RAID 1 (mirrored) data loss prevention technology
- Expandable using NAS or Windows Home Server appliances
- Outputs up to 1080p high-definition video and 7.1 surround sound, plus two discrete zones of stereo audio
- Home Control screen enables onscreen control of lighting, climate, and other home automation functions

(Continued on following page)

Features and Functions

(continued)

- Provides native Crestron control system integration via Ethernet
- Gigabit LAN port enables ultra high-speed downloads and glitch-free streaming
- Front panel USB and 1394 ports enable easy transfer of home movies, photos, and music files
- Advanced HDCP support ensures compatibility with protected content
- Ultra secure and reliable operating system delivers a superior alternative to HTPCs
- Ultra-quiet design allows placement in the immediate listening environment
- VNC remote access enables off-premises dealer support
- 3-space 19" rack-mountable (rack ears included)

Part of a complete Crestron home entertainment system, the ADMS provides a powerful way to gather every type of content from a full array of sources, whether from a DVD or Blu-ray Disc™, local hard drive, network device, or online. Exclusive WorldSearch® finds anything you want, instantly presenting every available movie title, streaming video, Internet TV program, and music file that matches your search — all within a beautiful graphic interface, onscreen or on a Crestron touchpanel, for immediate enjoyment through your home theater or whole-house audio system.

Crestron Intermedia Delivery™ brings together all the most popular content sources so you do not have to search your computer hard drive or DVD changer, or comb through countless websites looking for that new blockbuster release, viral video, or online TV episode. The ADMS provides a cohesive and intuitive user interface for everything, displaying cover art and metadata for music and movies, with multiple ways to find the content you want — quickly and easily — delivering it on demand right to your HD display in full 1080p resolution and 7.1 surround sound.

The ADMS lets you purchase and rent movies right through you HDTV display or touchpanel. Or, visit your favorite websites using the integrated web browser. Use the built-in Blu-ray Disc drive to play DVDs and import CDs. Transfer home movies, photos, and music files through the front panel USB and 1394 ports. Even access home automation controls right on screen.

With its user-friendly onscreen interface, native Crestron control integration, ultra secure and reliable operating system, RAID 1 data loss prevention, quiet operation, and remote dealer support access, the ADMS offers much more than traditional media servers and HTPCs.

Mass Movie Storage

In addition to your online downloads, adding the ADC-200BR 200-Disc Blu-ray Changer (sold separately) to the ADMS seamlessly integrates an entire collection of DVDs and high-definition Blu-ray Discs into the media library. Up to five changers can be daisy-chained, providing ready access to an incredible 1000 discs. Since the discs are not "ripped" to the hard drive, copyrighted content can be stored and played legally for your personal enjoyment.

Easy Hard Drive Expansion

Expanding storage beyond the system's internal 1TB hard drive is made easy with the CEN-NAS-4TB (sold separately). It comes pre-configured for the ADMS, and

features four hot-swappable 1TB hard drives with RAID 5 protection, all in a single rack space. It can store 1500 standard definition movie downloads, and well over 300,000 songs (compressed @ 320kbps).

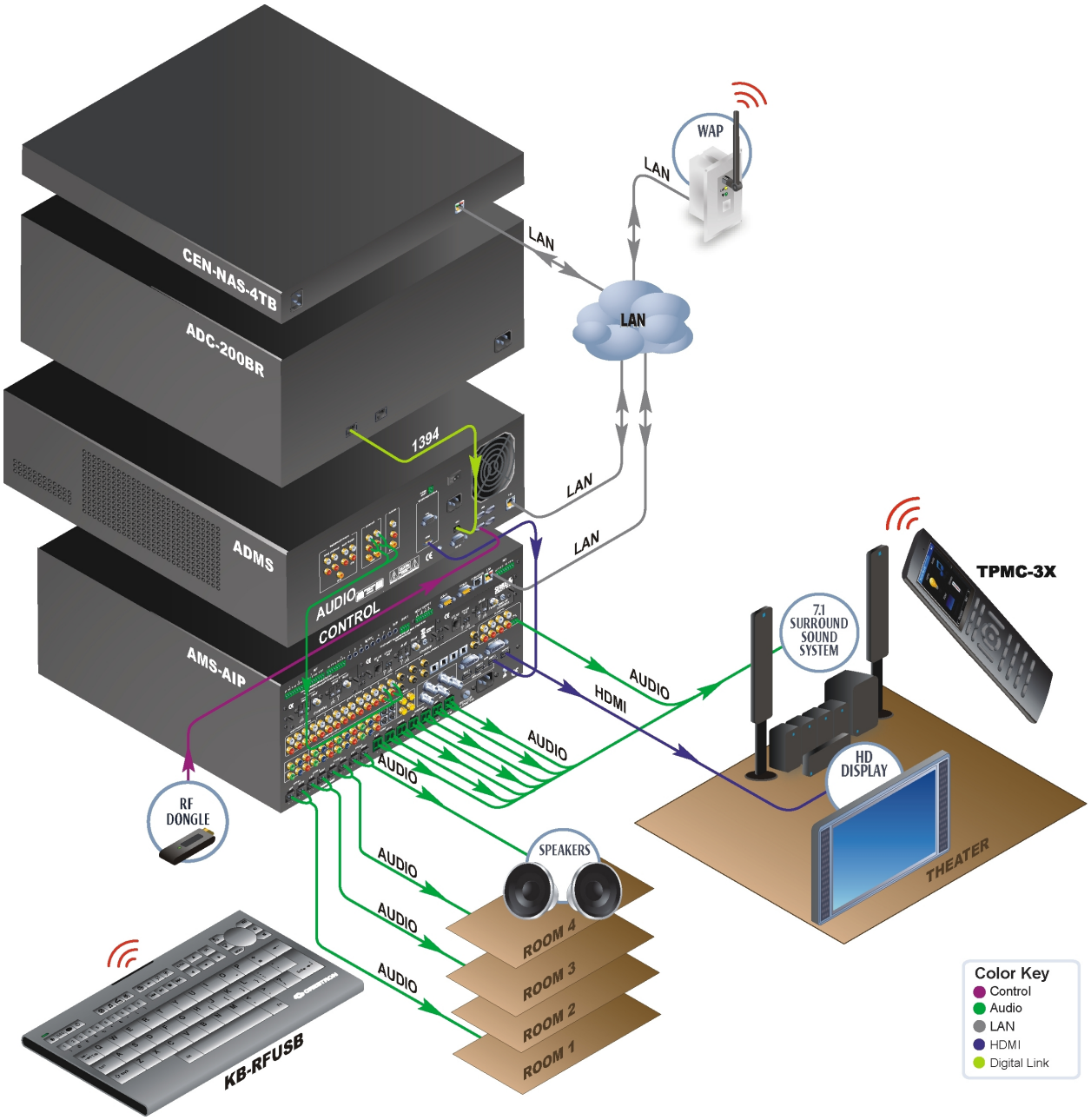
Wireless Keyboard

Navigate the ADMS and surf the Web with ease from any seat in the room with the KB-RFUSB Wireless Keyboard (sold separately). It features a 360 degree mouse pad, plus extra keys for quick-access to the many ADMS features.

Applications

The following diagram shows an ADMS in a residential application.

ADMS in a Residential Application



Specifications

Specifications for the ADMS are listed in the following table.

ADMS Specifications

SPECIFICATION	DETAILS
Storage & Disc Drives	
Internal Hard Drive	1 TB RAID 1 (mirrored) SATA Hard Drive Array (2 x 1 TB), 930 GB available for media storage
External Storage Support	NAS (Crestron CEN-NAS-4TB[1] recommended), Windows Home Server
Optical Disc Drive	(1) Slot-loading Blu-ray Disc™ drive, read-only; supports Blu-ray Disc, DVD, DVD-R, DVD+R, DVD-R DL, DVD+R DL, DVD-RW, DVD+RW, DVD-RAM, DVD-ROM, CD, CD-R, CD-RW, CD-ROM
Optical Disc Changer (optional)	Supports up to (5) Crestron ADC-200BR[1] 200-Disc Blu-ray Changers via 1394 interface
Additional Media Support	USB and IEEE 1394
Embedded Applications	Integrated Web Browser w/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
Ethernet	10/100/1000BaseT, auto-switching, auto-negotiating, auto-discovery, full/half duplex, TCP/IP, UDP/IP, CIP, DHCP
Minimum Required Internet Connection Speed	1 Mbps (4 Mbps or greater recommended for speedy movie downloading)
Video	
Output Signal Types	HDMI™, VGA (RGBHV)
Output Formats	HDMI w/Deep Color, HDCP v.1.2 content protection support, HDTV progressive up to 1080p60, HDTV interlaced @ 1080i only
Output Resolutions, Progressive (HDMI & VGA)	up to 1080p60
Output Resolutions, Interlaced(HDMI only)	1080i30
Digital Media Formats	WMV, MPEG4(MP4), MPEG2(MP2), MPEG(MPG), M2TS, MTS, AVI **NOTE:** If TMT3 is installed, then MKV and DIVX will be imported.

(Continued on following page)

ADMS Specifications (Continued)

SPECIFICATION	DETAILS
Audio	
Output Signal Types, Theater Zone	HDMI, S/PDIF, up to 7.1 analog, stereo analog
Output Signal Types, Zones 1 & 2	S/PDIF, stereo analog
Output Formats, Theater Zone, HDMI	Up to 8-Channel PCM (48 kHz maximum)
Output Formats, Theater Zone, SPDIF	Dolby® Digital AC3 5.1, Dolby Digital EX 5.1, DTS® 5.1, DTS-ES Matrix 5.1, DTS-ES Discrete 6.1, DTS 96/24 5.1, 2ch PCM
Output Formats, Theater Zone, analog	Stereo 2-Channel, Surround Sound up to 7.1
Output Formats, Zones 1 & 2, SPDIF	2-Channel PCM
Output Formats, Zones 1 & 2, analog	Stereo 2-Channel
Input Formats, SPDIF	2-Channel PCM
Input Formats, analog	Stereo 2-Channel
D-A/A-D Conversion	Up to 24-bit 96kHz
Digital Media Formats, Decode	WAV, MP3, WMA (including WMA Pro & Lossless), FLAC, AIFF, AAC, M4A
Digital Media Formats, Encode	WAV, WMA Lossless, WMA VBR High Quality, WMA VBR Medium Quality, WMA CBR 320, WMA CBR 256, AAC High Quality (M4A), AAC Medium Quality (M4A)
Performance (Analog)	
Frequency Response	20Hz to 20kHz ±0.3dB typical
S/N Ratio	>100dB at 1kHz A-weighted
THD+N	<0.01% at 1kHz typical
Channel Separation	100dB at 1kHz typical
Photo/Home Movies	Displays photos and home movies. Supports stylized photo slideshow as screensaver
Photo Formats	JPEG, GIF, BMP, PNG
Home Movie File Extensions	ASF, AVI, DV, M2TS, M4V, MKV, MOV, MP4, MPEG, MPE, MPG, MTS, WMV
Video Codecs	H.264, Windows Media Video, MPEG1/2, and any built in codecs to Windows, including MJPEG, Microsoft Video 1, Cinepak, etc.
Power Requirements	2.8 Amps @ 100-240 Volts AC, 50/60 Hz Uninterruptible power supply recommended, Crestron CEN-UPS1250[1] or similar
Minimum 2-Series Control System Update File[2, 3]	Version 4.001.1012 or later
Environmental	
Temperature	41º to 104º F (5º to 40º C)
Humidity	10% to 90% RH (non-condensing)
Heat Dissipation	853 BTU/Hr

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ADMS Specifications (Continued)

SPECIFICATION	DETAILS
Enclosure	Black metal with molded plastic front panel; Freestanding or 3U 19-inch rack-mountable (removable feet and rack ears included); Rear and side ventilation should not be restricted
Dimensions	
Height	5.82 in (148 mm), 5.20 in (133 mm) without feet
Width	17.16 in (436 mm), 19.00 in (483 mm) with ears
Depth	18.45 in (469 mm)
Weight	20 lb (9.1 kg)
Available Accessories	
KB-RFUSB	Wireless Keyboard w/Mousepad
ADC-200BR	200-disc Blu-ray Changer
CEN-NAS-4TB	4TB Network Attached Storage
CEN-UPS1250	Uninterruptible Power Supply

1. Sold separately.
2. The latest software versions can be obtained from the Crestron website. Refer to the NOTE following these footnotes.
3. 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 website are for authorized Crestron dealers and Crestron Authorized Independent Programmers (CAIP) only. New users may be required to register to obtain access to certain areas of the site (including the FTP site).

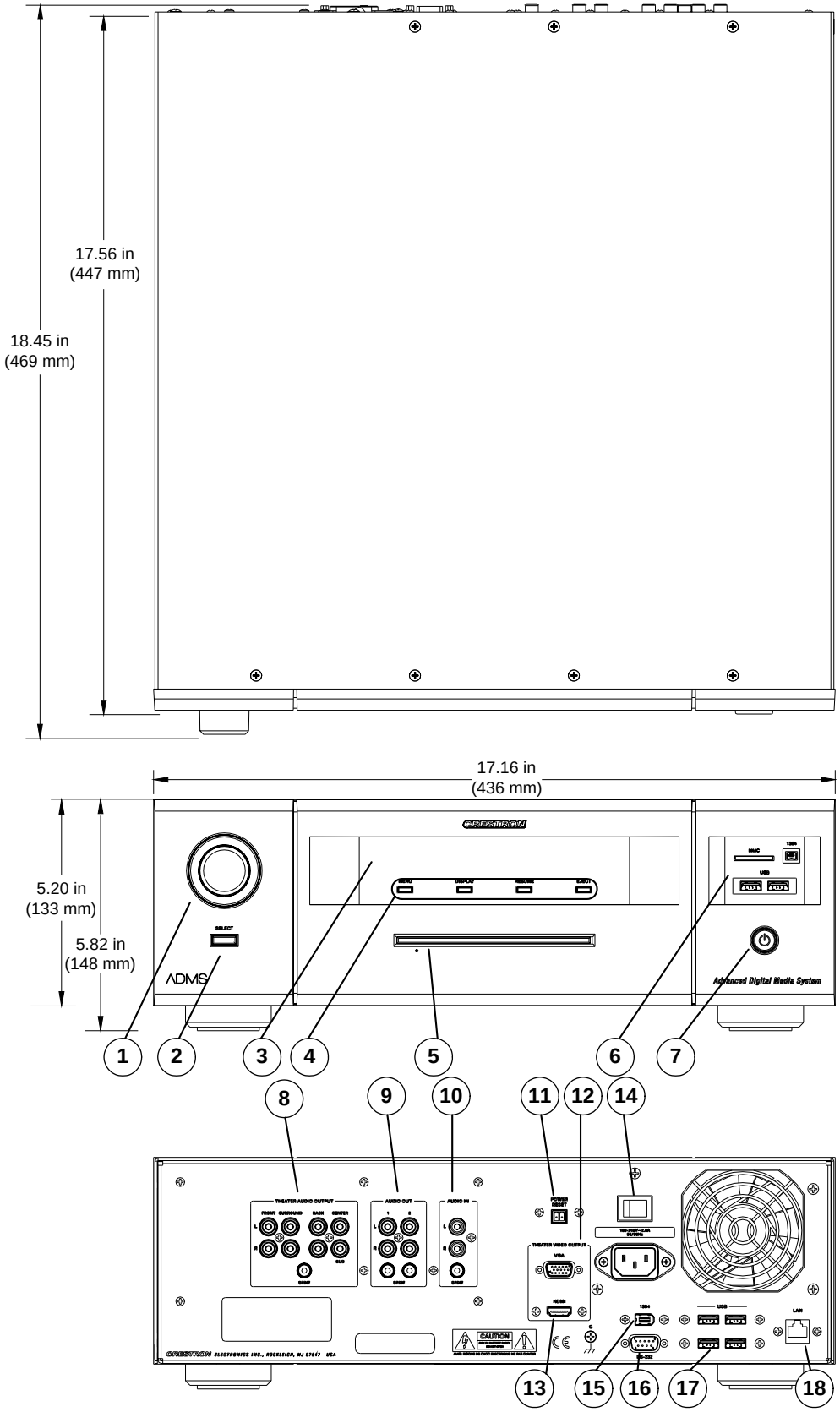
Physical Description

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

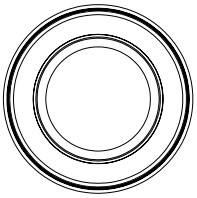
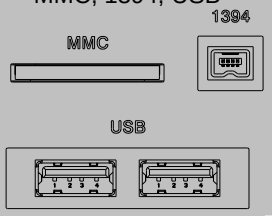
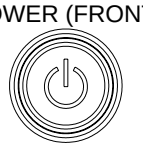
ADMS Physical View (front)

ADMS Physical View (rear)

ADMS Overall Dimensions

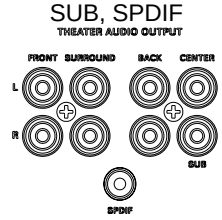
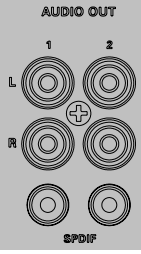
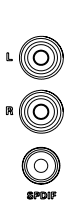


Connectors, Controls & Indicators

#	CONNECTORS*, CONTROLS & INDICATORS	DESCRIPTION
1	SELECT KNOB 	(1) Continuous turn rotary encoder, for navigating menu and adjusting values
2	SELECT BUTTON	(1) Pushbutton with green LED, executes highlighted menu item or value
3	LCD DISPLAY	Green LCD, 2 lines by 40 characters, adjustable LED backlight; Displays network and system settings, audio video test controls, errors notifications, disc/media notifications, current media playing per output, drive space, device connections
4	FUNCTION BUTTONS	**MENU:** (1) Pushbutton, steps menu back one level **DISPLAY:** (1) Pushbutton, advances through menus **RESUME:** (1) Pushbutton, resumes last file playing in Theater Zone **EJECT:** (1) Pushbutton, ejects disc from the optical disc drive
5	OPTICAL DISK DRIVE	(1) Slot-loading Blu-ray Disc™ drive, read-only; supports Blu-ray Disc, DVD, DVD-R, DVD+R, DVD-R DL, DVD+R DL, DVD-RW, DVD+RW, DVD-RAM, DVD-ROM, CD, CD-R, CD-RW, CD-ROM
6	MMC, 1394, USB 	**MMC:** (1) MultiMediaCard compatible memory card slot **1394:** (1) 4-pin Type 2 IEEE 1394a port, female **USB:** (2) USB Type A female, USB 2.0 Host ports
7	POWER (FRONT) 	(1) Pushbutton; starts or shuts down the operating system

(Continued on following page)

Connectors, Controls & Indicators (Continued)

<table>
<tr><th>#</th><th>CONNECTORS*, CONTROLS & INDICATORS</th><th>DESCRIPTION</th></tr>
<tr><td>8</td><td>THEATER AUDIO OUTPUT FRONT L/R, SURROUND L/R, BACK L/R, CENTER, SUB, SPDIF
 
</td><td>(8) RCA female;Unbalanced line-level 7.1 surround sound audio output;
Maximum Output Level: 2 V_{rms};
Output Impedance: 100 Ohms
(1) RCA female; S/PDIF coaxial/digital audio output;
Output Impedance: 75 Ohms;
Output Level: 0.5 V_{rms}nominal</td></tr>
<tr><td>9</td><td>AUDIO OUT, L/R 1 & 2, SPDIF 1 & 2
 
</td><td>(4) RCA female comprising (2) unbalanced stereo line-level audio; outputs from Zones 1 & 2;
Maximum Output Level: 2 V_{rms};
Output Impedance: 100 Ohms
(2) RCA female comprising (2) S/PDIF coaxial digital audio outputs from Zones 1 & 2;
Output Impedance: 75 Ohms;
Output Level: 0.5 V_{rms}nominal</td></tr>
<tr><td>10</td><td>AUDIO IN, L/R, SPDIF
 
</td><td>Not currently used.</td></tr>
<tr><td>11</td><td>POWER RESET
</td><td>(1) 2-pin 3.5mm detachable terminal block; Contact closure sensing input for remote system shutdown and restart
<table>
<tr><th>MODE</th><th>FUCNTION</th></tr>
<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>
</table></td></tr>
</table>

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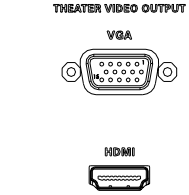
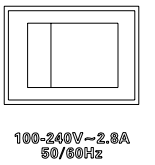
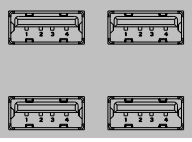
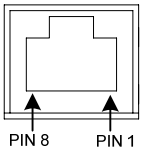
Connectors, Controls & Indicators (Continued)

#	CONNECTORS*, CONTROLS & INDICATORS	DESCRIPTION
12	THEATER VIDEO OUTPUT VGA, HDMI 	(1) DB15HD female, VGA/RGBHV, output; Formats: RGBHV Output Level: 0.7 to 0.75 V_{p-p} (terminated, with 0.7 V_{p-p} input, unity gain); Output Impedance: 75 ohms nominal; H/V Sync Output Level: 4 to 5 V_{p-p}; H/V Sync Output Impedance: 55 ohms; H/V Sync Polarity: Follows input (1) 19-pin Type A HDMI female; HDMI digital video/audio output
13	G	(1) 6-32 screw, chassis ground lug
14	POWER (REAR) & 100-240V ~2.8A 50/60Hz 	(1) Rocker switch, turns main power on/off (1) IEC C14 male chassis plug; Mates with removable power cord (included)
15	1394	(1) 6-pin Type 1 IEEE 1394a port, female
16	RS-232	(1) DB9 male, not used
17	USB 	(4) USB Type A female, USB 2.0 Host ports
18	LAN 	(1) 8-wire RJ-45 with 2 LED indicators, 10/100/1000BaseT Ethernet port

* 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.

Ethernet

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

For 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 website (www.crestron.com/manuals).

Identity Code

IP ID

The IP ID is set within the ADMS' table using the ADMS' SETUP MENU. For information on setting an IP table, refer to "IP Table" on page 42. The IP IDs of multiple ADMS 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 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 can be mounted in a rack or stacked with other equipment. Two "ears" are provided with the ADMS 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.

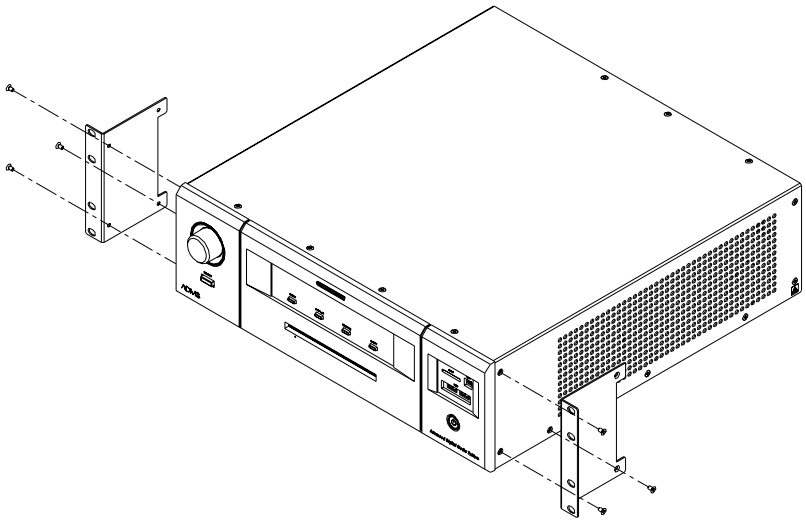
NOTE: The ADMS is shipped with "feet" installed so it can be stacked with other equipment. If the ADMS is to be installed in a rack, remove the feet using a #2 Phillips screwdriver. If rack mounting is not required, leave the feet attached to the ADMS.

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 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 integrated into the ADMS so that if the unit is not rack mounted, the feet can provide stability when the unit is placed on a flat surface or stacked.

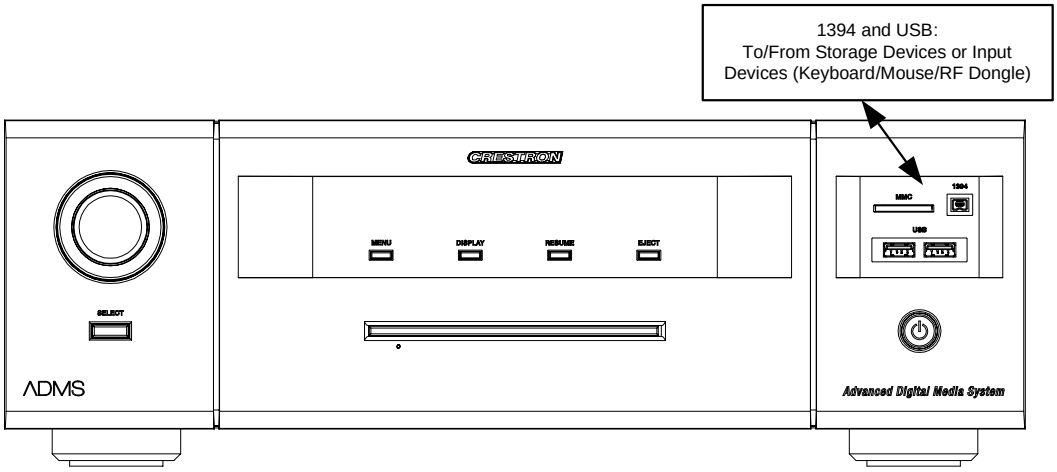
NOTE: No more than two ADMS units should be stacked.

NOTE: If the ADMS is to be rack mounted, the feet should be removed with a #2 Phillips screwdriver.

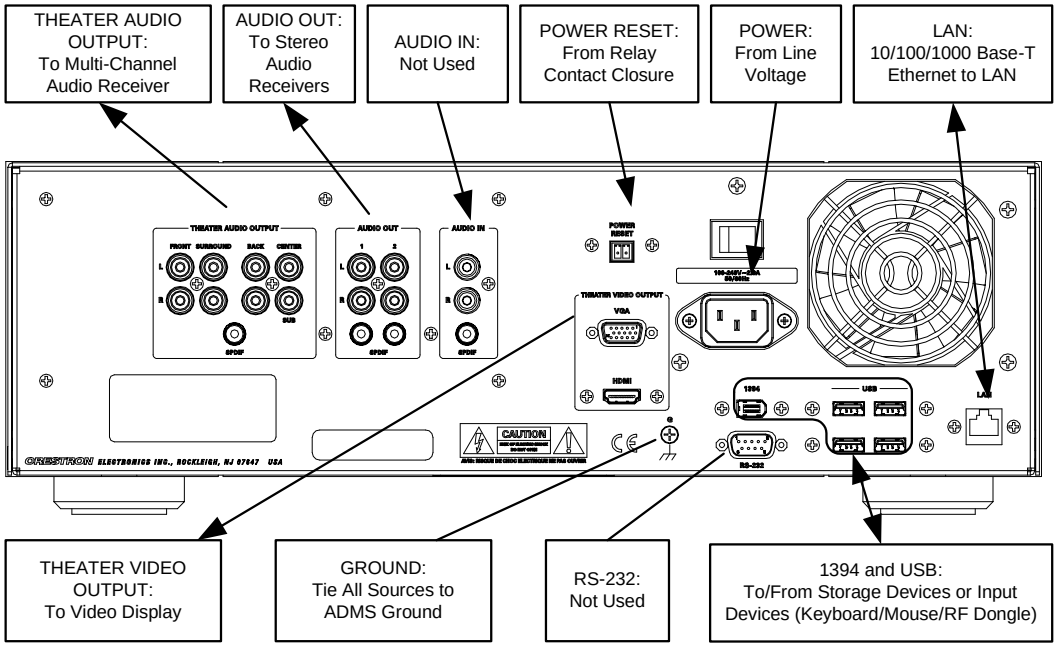
Hardware Hookup

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

Hardware Connections (Front) for the ADMS



Hardware Connections (Rear) for the ADMS



NOTE: Connect either the HDMI or VGA output but not both. Connecting both outputs will result in poor video playback issues caused by HDCP errors.

NOTE: When installing an ADMS, 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 can be configured using the front panel or the On-Screen-Display (OSD). The front panel offers limited configuration capabilities while the OSD can access all of the ADMS' configuration options.

Configure the ADMS with the Front Panel

The ADMS' front panel can be used to view and or set the video settings, audio settings, front panel settings, and DHCP mode. It can also be used to view the status of the IP table, software version information, and Ethernet information.

NOTE: The On-Screen-Display can be used to configure all aspects of ADMS operation. For more information, refer to "Configure the ADMS with the On-Screen-Display" on page 22.

Required Equipment

To set up the ADMS with the front panel, a power connection and an Ethernet connection are required. There are no equipment requirements to set up the ADMS with the front panel.

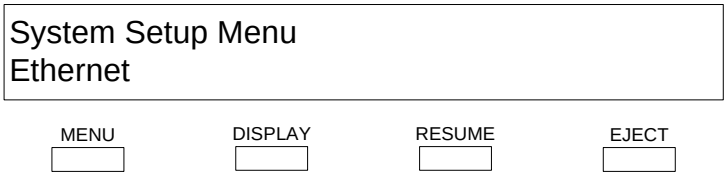
Open the SYSTEM SETUP MENU

The SYSTEM SETUP MENU is used to configure the ADMS. To open the SYSTEM SETUP MENU:

1. Turn on the ADMS (press the switch on the rear of the unit and/or the power button on the front as necessary). The ADMS will perform its startup procedure.
2. When ADMS Intermedia Delivery is displayed on the front panel, press and hold the **MENU** and **DISPLAY** buttons for approximately five seconds. The SYSTEM SETUP MENU will be displayed.

The SYSTEM SETUP MENU

SYSTEM SETUP MENU



The SYSTEM SETUP MENU is divided into the following sections to configure the ADMS:

- **Ethernet:** Configures the ADMS' Ethernet settings.
- **Audio:** Configures the ADMS' audio outputs.
- **Video:** Configures the ADMS' video output signal.
- **IP Table Status:** Displays the status of the communication link between the ADMS and a control system.
- **Front Panel:** Configures the brightness of the buttons and display on the ADMS' front panel.
- **Version Information:** Displays the ADMS' software version information.

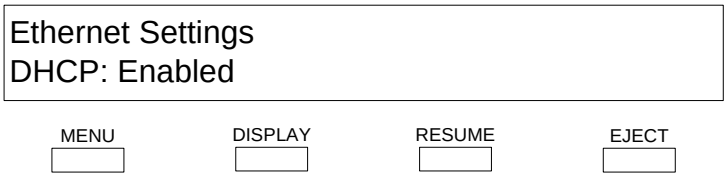
To navigate the SYSTEM SETUP MENU, Turn the selection knob to display the desired option. To select the displayed option, press **SELECT**.

Ethernet

Use the Ethernet section of the SYSTEM SETUP MENU to configure the ADMS' Ethernet settings. To configure the Ethernet settings:

1. Open the SYSTEM SETUP MENU as described on page 15.
2. Turn the selection knob to display **Ethernet** and press **SELECT**.

   Ethernet Settings

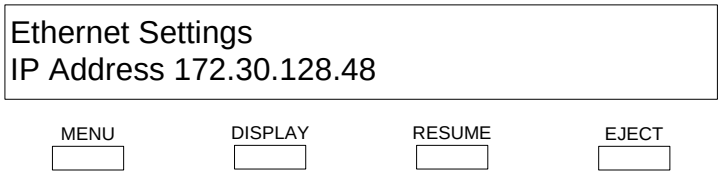
   

3. Turn the selection knob to the parameter to be adjusted and press **SELECT**. To cancel, press **MENU.**
   - **DHCP:** The ADMS can use DHCP to obtain an IP address from a DHCP server.
     a. Turn the selection knob to display **DHCP** and press **SELECT**.
     b. Turn the selection knob to display the desired setting and press **SELECT**. To cancel, press **MENU**.
   - **IP Address:** Displays or edits the ADMS' IP address.

   NOTE: When DHCP is enabled, the IP addresses obtained from the DHCP server will be displayed. When DHCP is disabled, the IP address can be entered from the front panel.

a. Turn the selection knob to display **IP Address** and press **SELECT**. The IP address is displayed. To return to the Ethernet section, press **MENU**.

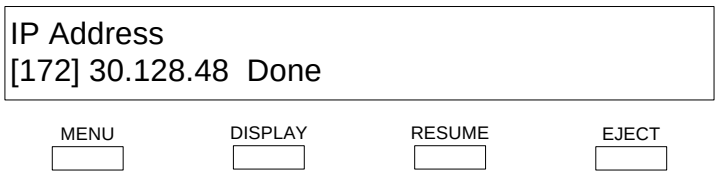
IP Address



If DHCP is disabled, the IP address can be entered from the front panel.

b. Press **SELECT**. The first octet of the IP address will be enclosed in brackets.

IP Address



c. Turn the selection knob to display the desired number.

d. Press **SELECT** to move the cursor to the next octet.

e. Repeat steps c and d until **Done** is enclosed in brackets or press **MENU** to cancel.

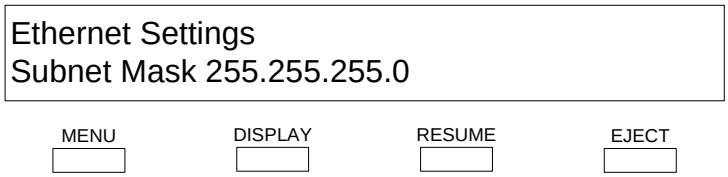
f. Press **SELECT** to confirm the IP address.

- **Subnet Mask:** Displays or edits the IP Address of the ADMS' subnet mask.

NOTE: When DHCP is enabled, the subnet mask obtained from the DHCP server will be displayed. When DHCP is disabled, the IP address can be entered from the front panel.

a. Turn the selection knob to display **Subnet Mask** and press **SELECT**. The IP address of the subnet mask is displayed. To return to the Ethernet section, press **MENU**.

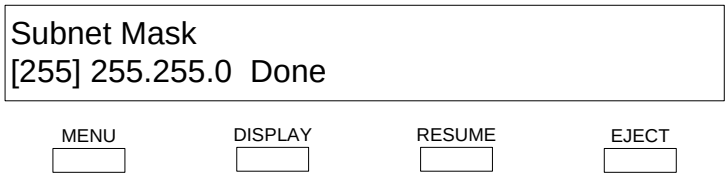
Subnet Mask



If DHCP is disabled, the subnet mask can be entered from the front panel.

b. Press **SELECT**. The first octet of the IP address will be enclosed in brackets.

Subnet Mask



c. Turn the selection knob to display the desired number.

d. Press **SELECT** to move the cursor to the next octet.

e. Repeat steps c and d until **Done** is enclosed in brackets or press **MENU** to cancel.

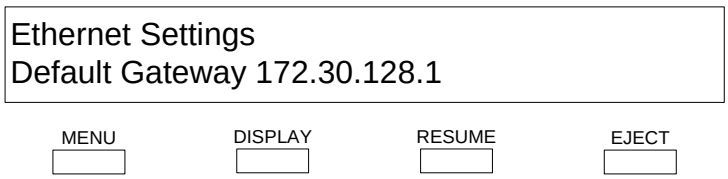
f. Press **SELECT** to confirm the IP address of the subnet mask.

- **Default Gateway:** Displays or edits the IP Address of the ADMS' default gateway.

NOTE: When DHCP is enabled, the default gateway obtained from the DHCP server will be displayed. When DHCP is disabled, the IP address can be entered from the front panel.

a. Turn the selection knob to display **Default Gateway** and press **SELECT**. The IP address of the default gateway is displayed. To return to the Ethernet section, press **MENU**.

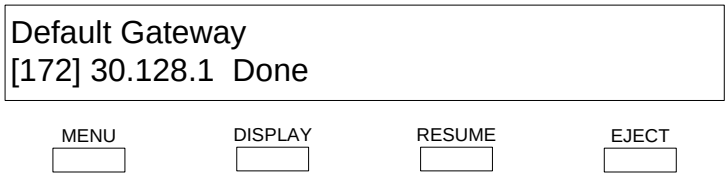
Default Gateway



If DHCP is disabled, the default gateway can be entered from the front panel.

b. Press **SELECT**. The first octet of the IP address will be enclosed in brackets.

Default Gateway



c. Turn the selection knob to display the desired number.

d. Press **SELECT** to move the cursor to the next octet.

e. Repeat steps c and d until **Done** is enclosed in brackets or press **MENU** to cancel.

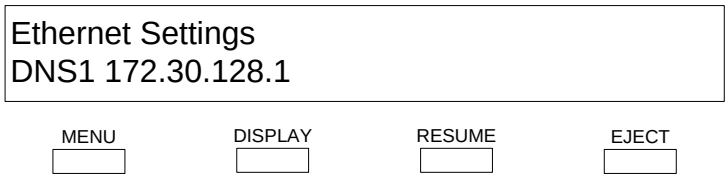
f. Press **SELECT** to confirm the IP address of the default gateway.

- **DNS 1 & DNS 2:** Displays or edits the IP Address of the ADMS' DNS servers.

NOTE: When DHCP is enabled, the DNS 1 and DNS 2 addresses obtained from the DHCP server will be displayed. When DHCP is disabled, the IP addresses can be entered from the front panel.

a. Turn the selection knob to display **DNS1** or **DNS2** and press **SELECT**. The IP address of the selected DNS server is displayed. To return to the Ethernet section, press **MENU**.

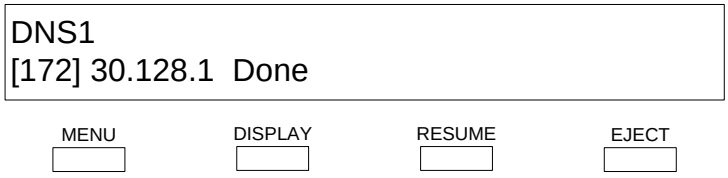
DNS1



If DHCP is disabled, the selected DNS server can be entered from the front panel.

b. Press **SELECT**. The first octet of the IP address will be enclosed in brackets.

DNS1



c. Turn the selection knob to display the desired number.

d. Press **SELECT** to move the cursor to the next octet.

e. Repeat steps c and d until **Done** is enclosed in brackets or press **MENU** to cancel.

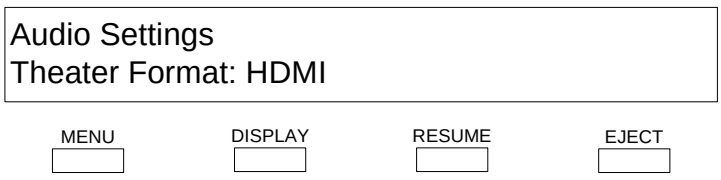
f. Press **SELECT** to confirm the IP address of the DNS server.

Audio

Use the Audio section of the SYSTEM SETUP MENU to configure the ADMS' audio outputs. The Theater Format (HDMI, Digital, or Analog), the Theater Mode (Stereo, 5.1 or 7.1), and the formats for Zone 1 and Zone 2 (Digital or Analog) can be selected. To configure the audio outputs:

1. Open the SYSTEM SETUP MENU as described on page 15.
2. Turn the selection knob to display **Audio** and press **SELECT**.

Audio Settings



3. Turn the selection knob to the parameter to be adjusted and press **SELECT**. To cancel, press **MENU**.

   - **Theater Format:** Selects the format of the theater output (HDMI, Digital (coax) or Analog).

     a. Turn the selection knob to display **Theater Format** and press **SELECT**.

     b. Turn the selection knob to display the desired setting and press **SELECT**. To cancel, press **MENU**.

   - **Theater Mode:** Selects the mode of the theater output (Stereo, 5.1 or 7.1).

     a. Turn the selection knob to display **Theater Mode** and press **SELECT**.

     b. Turn the selection knob to display the desired setting and press **SELECT**. To cancel, press **MENU**.

   - **Zone 1 Format:** Selects the format of the Zone 1output (Digital (coax) or Analog).

     a. Turn the selection knob to display **Zone 1 Format** and press **SELECT**.

     b. Turn the selection knob to display the desired setting and press **SELECT**. To cancel, press **MENU**.

   - **Zone 2 Format:** Selects the format of the Zone 2output (Digital (coax) or Analog).

     a. Turn the selection knob to display **Zone 2 Format** and press **SELECT**.

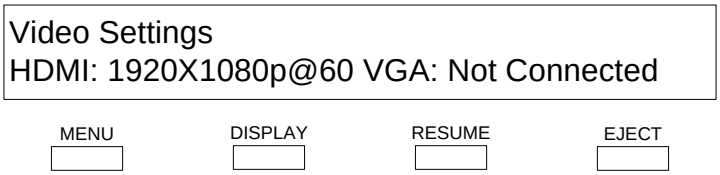
     b. Turn the selection knob to display the desired setting and press **SELECT**. To cancel, press **MENU**.

Video

Use the Video section of the SYSTEM SETUP MENU to set the resolution of the ADMS' video output. To configure the video output:

1. Open the SYSTEM SETUP MENU as described on page 15.
2. Turn the selection knob to display **Video** and press **SELECT**. The current setting is displayed.

   Video Settings

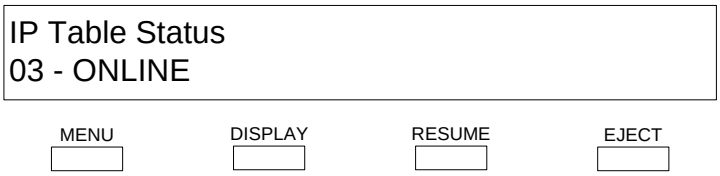
3. To change the setting, press **SELECT**. To cancel, press **MENU**.
4. Turn the selection knob to the desired resolution setting and press **SELECT**. To cancel, press **MENU**.

IP Table Status

Use the IP Table Status section of the SYSTEM SETUP MENU to view the status of the communication link between the ADMS and a control system.

1. Open the SYSTEM SETUP MENU as described on page 15.
2. Turn the selection knob to display **IP Table Status** and press **SELECT**.

IP Table Status



The IP Table Status can show one of three messages:

- **XX – ONLINE:** Where XX is the IP ID (03-FE) assigned to the ADMS and "ONLINE" indicates a communication link between the ADMS and a control system containing the ADMS in its IP table.
- **XX – OFFLINE:** Where XX is the IP ID (03-FE) assigned to the ADMS and "OFFLINE" indicates a communication failure between the ADMS and a control system. If this is displayed, verify that the ADMS is connected to the LAN and that the ADMS is listed in the control system's IP table with the correct IP ID.
- **IP table not available:** Indicates that an IP table has not been created on the ADMS. For information on setting an IP table, refer to "IP Table" on page 42.

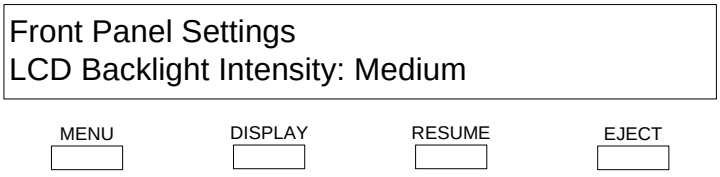
3. Press **MENU** to return to the SYSTEM SETUP MENU.

Front Panel Settings

Use the Front Panel Settings section of the SYSTEM SETUP MENU to adjust the intensity of the LCD's backlight, the intensity of the **SELECT** button's LED, and the intensity of the **POWER** button's LED.

1. Open the SYSTEM SETUP MENU as described on page 15.
2. Turn the selection knob to display **Front Panel Settings** and press **SELECT**.

Front Panel Settings



3. Turn the selection knob until the desired parameter is displayed and press **SELECT**. To cancel and return to the SYSTEM SETUP MENU, press **MENU.**

   The following parameters can be adjusted:

   - **LCD Backlight Intensity:** Sets the backlighting level for the front panel LCD. Choose from Low, Medium (default), or High.
   - **SELECT Button Intensity:** Sets the intensity level of the **SELECT** button's LED. Choose from Off, Low, Medium (default), or High.
   - **POWER Button Intensity:** Sets the intensity level of the **POWER** button's LED. Choose from Off, Low, Medium (default), or High.

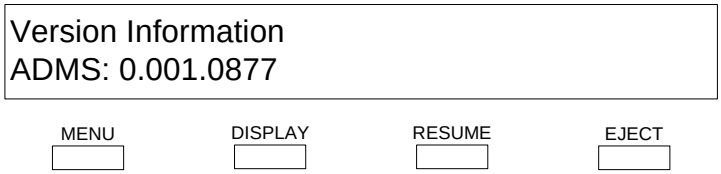
4. Turn the selection knob to the desired setting and press **SELECT**. To cancel and return to the list of front panel settings, press **MENU**.

Version Information

Use the Version Information section of the SYSTEM SETUP MENU to view information about the ADMS' operating software.

1. Open the SYSTEM SETUP MENU as described on page 15.
2. Turn the selection knob to display **Version Information** and press **SELECT**.

Version Information



3. Turn the selection knob to view other information.
4. Press **MENU** to return to the SYSTEM SETUP MENU.

Configure the ADMS with the On-Screen-Display

Before using the ADMS, it must be configured for operation.

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 14.

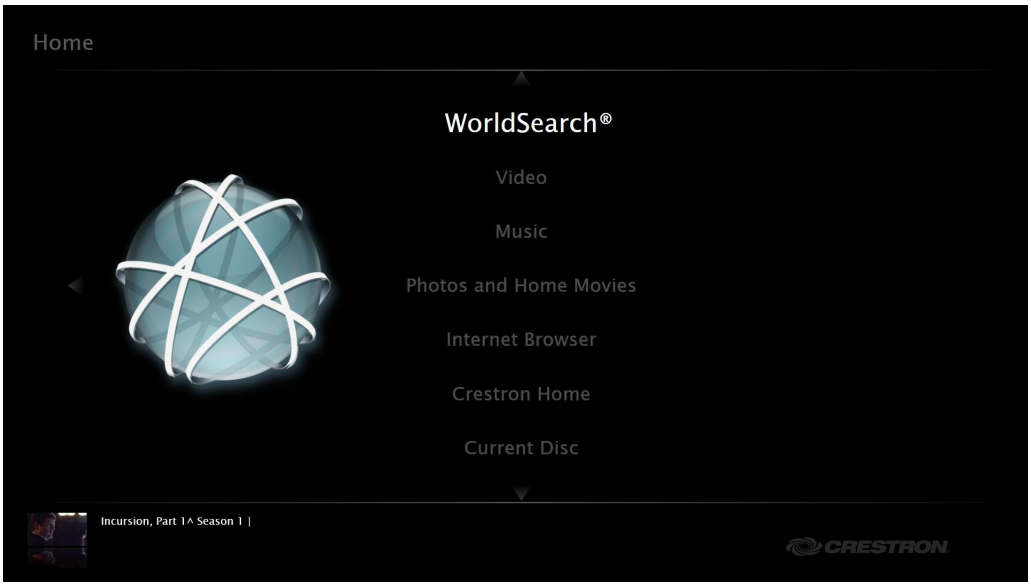
Open the SETUP MENU

The SETUP MENU is used to configure the ADMS. 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. If the ADMS does not turn on, press the **POWER** switch on the rear of the ADMS followed by the **POWER** button on the front panel. After the ADMS completes its startup procedure, the End User License Agreement (EULA) will be displayed.
3. Click **Accept** to accept the EULA and continue. The ADMS' home page will be displayed.

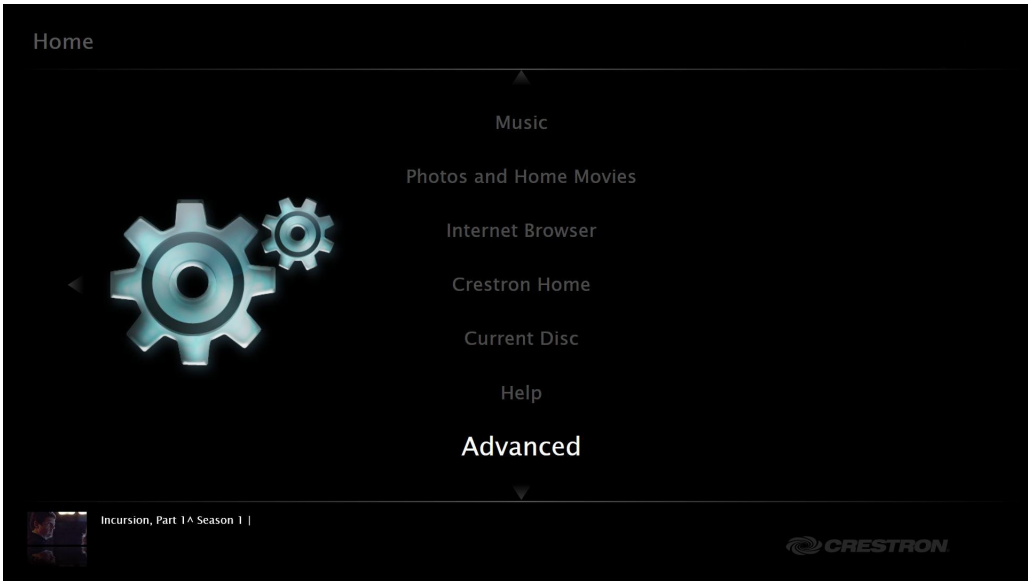
NOTE: Prior to delivery, reset the EULA as described on page 48.

ADMS Home Page



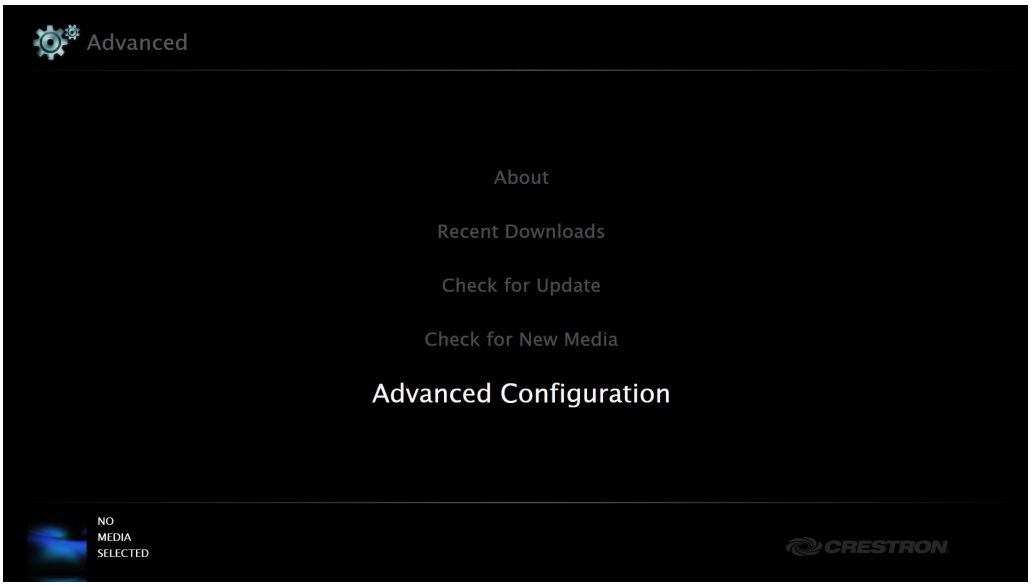
4. Press the down arrow (⇩) to move the cursor down until **Advanced** is highlighted.

Advanced listing on ADMS Home Page



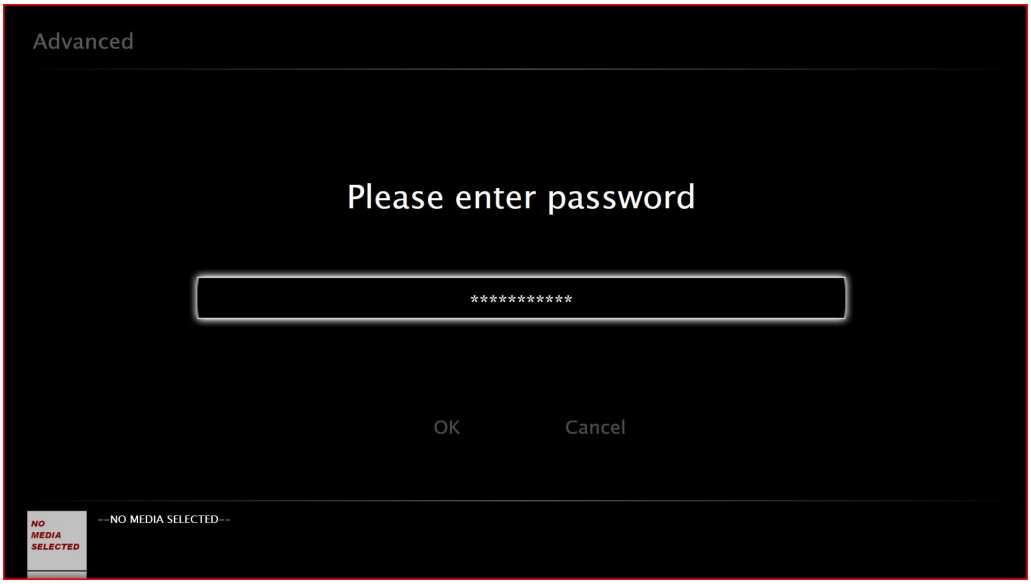
5. Press **Enter**. The Advanced section will be displayed.
6. Press the down arrow (⇩) to move the cursor down until **Advanced Configuration** is highlighted.

Advanced Configuration



7. Press **Enter**. The Advanced Configuration login will be displayed.

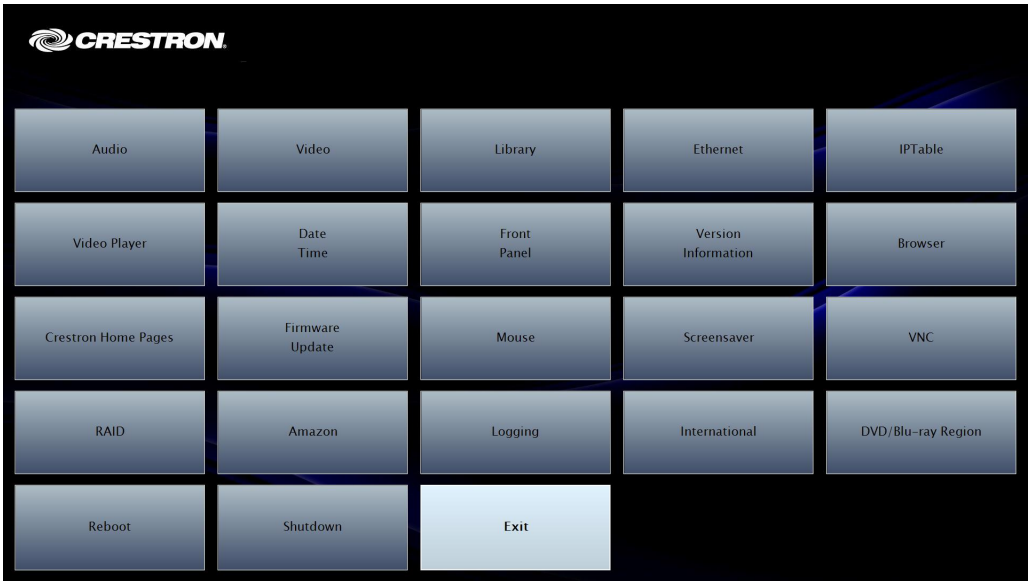
Advanced Configuration Login



8. Enter the password *dealeradmin* and press **Enter**. The SETUP MENU will be displayed.

The SETUP MENU

SETUP MENU



The SETUP MENU is divided into the following sections to configure the ADMS:

- **Audio:** Configures the ADMS' audio outputs.
- **Video:** Configures the ADMS' video output signal.
- **Library:** Configures the ADMS' media library settings.
- **Ethernet:** Configures the ADMS' Ethernet settings.
- **IP Table:** Configures the ADMS' IP table.
- **Video Player:** Configures the ADMS' video player.
- **Date Time:** Configures the ADMS' date and time settings.
- **Front Panel:** Configures the brightness of the buttons and display on the ADMS' front panel.
- **Version Information:** Displays the ADMS' software version information.
- **Browser:** Configures the ADMS' Internet browser security settings.
- **Crestron Home Pages:** Selects the compiled VT Pro-e project to be used to operate the ADMS in a Crestron Home® environment.
- **Firmware Update:** Used to update the ADMS' firmware.
- **Mouse:** Configures the keyboard when functioning as a mouse.
- **Screensaver:** Configures the ADMS' screensaver.
- **VNC:** Configures the ADMS for remote tech support
- **RAID:** Displays troubleshooting and repair information for connected RAID drives.
- **Amazon:** Configures the ADMS to use Amazon's Unbox service.
- **Logging:** Configures the ADMS' logging function.
- **International:** Configures the ADMS for internet video services**.**

- **DVD/Blu-ray Region:** Configures the region setting for the DVD/Blu-ray player.
- **Reboot:** Reboots the ADMS.
- **Shutdown:** Shuts down the ADMS.
- **Exit:** Exits the SETUP MENU and returns the ADMS to normal operation.

Using the mouse, click the name of the section to configure.

Audio

Use the Audio section of the SETUP MENU to configure the ADMS' audio outputs. To configure the audio outputs:

1. Open the SETUP MENU as described on page 22 and use the mouse to click **Audio**. The "Audio Setup" window will be displayed.

   "Audio Setup" Window

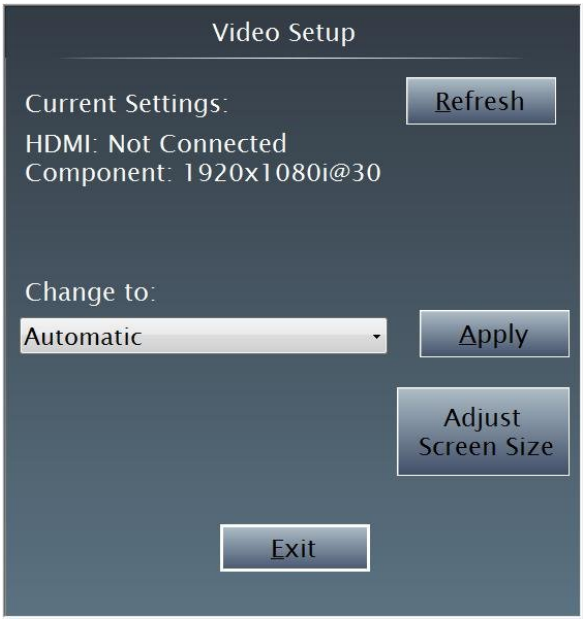
2. Using the mouse, click the output connections to be used for the Theater Room (HDMI, SPDIF, or Analog) and the two distributed zones (SPDIF or Analog).
3. Use the mouse to select the speaker configuration used in the Theater Room:
   - **7.1:** Speaker configuration consists of left, right, surround left, surround right, back left, back right, center, and subwoofer speakers.
   - **5.1:** Speaker configuration consists of left, right, surround left, surround right, center and subwoofer speakers.
   - **Stereo:** Speaker configuration consists of left and right speakers.
4. Click **Save** to save the settings and return to the SETUP MENU. To cancel and return to the SETUP MENU, click **Exit**.
5. Reboot the ADMS as described in "Reboot" on page 61.

Video

Use the Video section of the SETUP MENU to configure the ADMS' video output signal. To configure the video output:

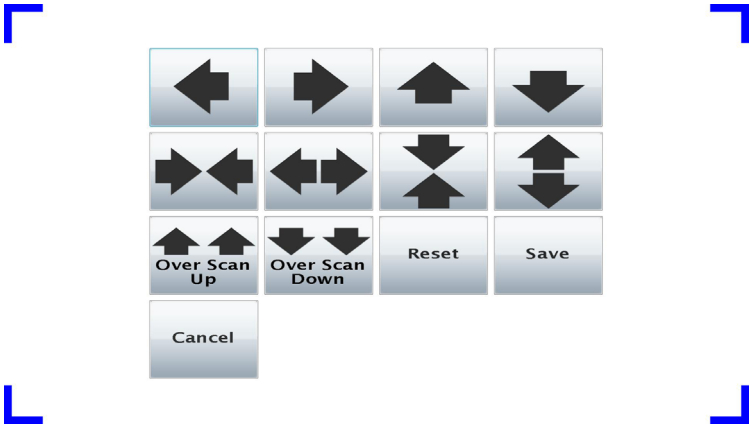
1. Open the SETUP MENU as described on page 22 and use the mouse to click **Video**. The "Video Setup" window showing the current settings will be displayed.

"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.

Screen Size Controls



   a. Use the mouse to click on the screen size controls.
   b. Click **Reset** to return to the factory settings. Click **Save** to save the current setting. 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 will be saved.
6. Reboot the ADMS as described in "Reboot" on page 61.

NOTE: Approved methods for converting VGA video to Component video are posted in Online help at http://support.crestron.com, answer ID 4987.

Library

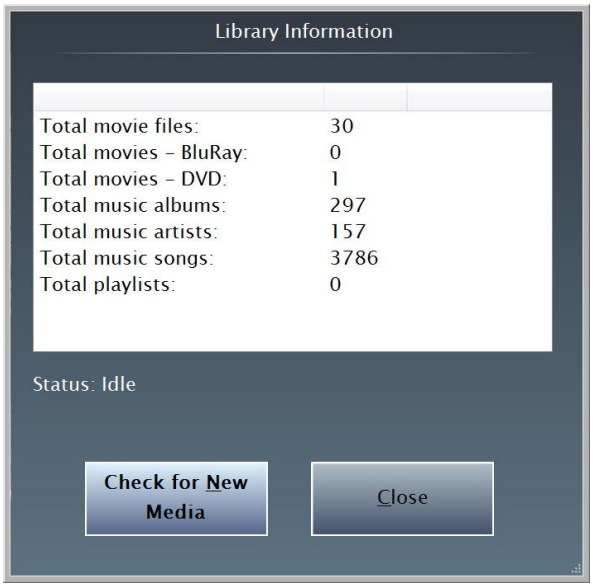
Use the Library section of the SETUP MENU to configure and view the settings for the ADMS' media library.

To view and configure the ADMS' media library, open the SETUP MENU as described on page 22 and use the mouse to click **Library**. The "Library Configure" window will be displayed.

"Library Configure" Window

- **Status:** To view the status of the ADMS' media library, use the mouse to click **Status**. The information about the media library will be displayed.

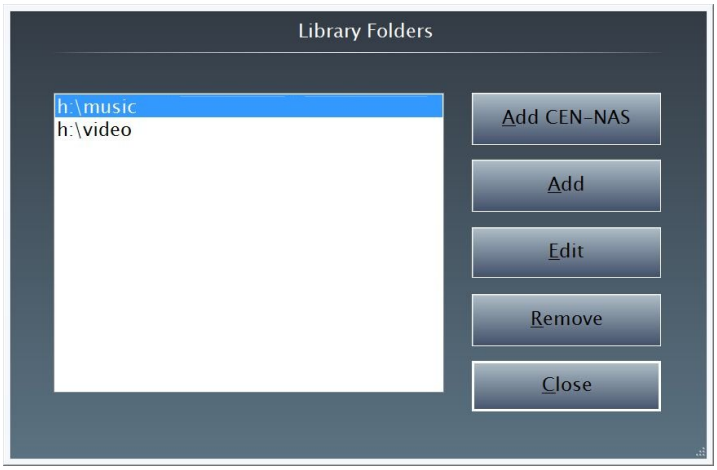
"Library Information" Window



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

- **Library Folders:** To view, add, delete, or edit CEN-NAS-4TB network storage devices and folder locations used by the ADMS, use the mouse to click **Library Folders**.

"Library Folders" Window



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

1. Use the mouse to click **Add CEN-NAS**. Any connected CEN-NAS-4TB devices will be automatically detected and added to the library. The "Add Network Storage" window will be displayed.

"Add Network Storage" Window

NOTE: In order for the ADMS 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 Folder" on page 30.

⇒ **Add Folder:** To add a folder on a network drive or portable storage device that contains media files, use the mouse to click **Add**. The "Folder Properties" window will open.

"Folder Properties" Window

1. In the field *Folder Name*, enter the network location of the media folder. The full path is required. To browse to the folder, use the mouse to 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, use the mouse to click **Test Connection**.
4. The ADMS can search for audio files, video files, or pictures and home movies. To specify which file types the ADMS will 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' internal storage. To have media in network folders copied to the ADMS' 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 device.

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

⇒ **Edit Folder:** To edit a listed library folder that contains media files, use the mouse to click on the folder to be edited, then click **Edit**. The "Folder Properties" window will open.

"Folder Properties" Window

1. In the field *Folder Name*, enter the network location of the media folder. The full path is required. To browse to the folder, use the mouse to 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, use the mouse to click **Test Connection**.
4. The ADMS can search for audio files or video files. To specify which file types the ADMS will search for, use the mouse to select the appropriate file type.
5. Click **Save** to save changes to the folder. To exit without saving click **Exit**.

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

NOTE: If an NAS entry is to be deleted, the ADMS will ask if library references to removed folders should be removed as well.

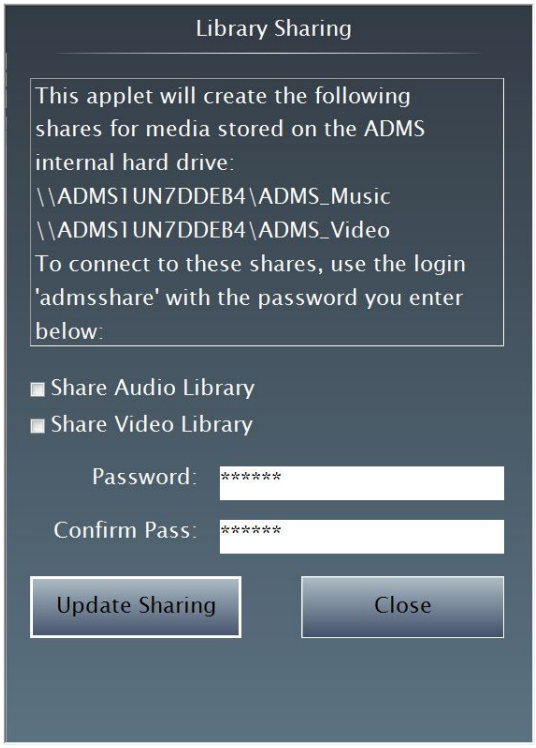
⇒ **Close:** To exit and return to the "Library Configuration" window, use the mouse to click **Close**.

- **Sharing:** The media files stored on the ADMS' internal hard drive can be shared across a network. To configure sharing options, use the mouse to click **Sharing**. The "Library Sharing Configuration" window will open.

NOTE: Files downloaded from Amazon.com are copyright protected and cannot be shared across a network.

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

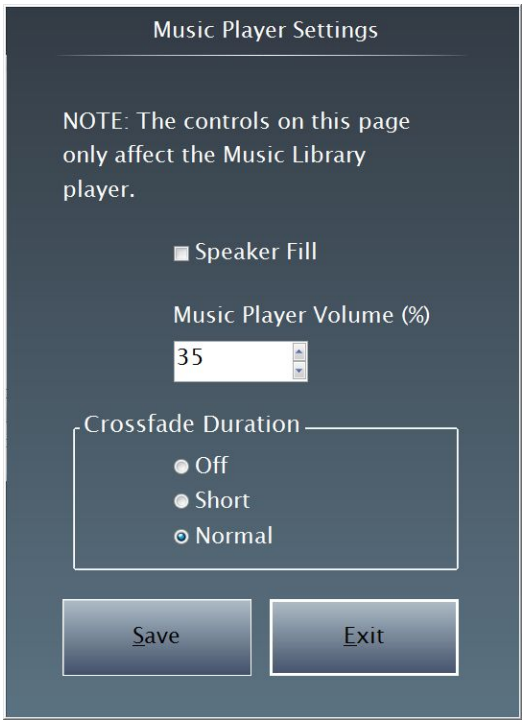
"Library Sharing Configuration" Window



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, use the mouse to click **Update Sharing**. To cancel the sharing settings, use the mouse to click **Cancel**.

- **Music Player Settings:** The music player settings are used to adjust the audio output for music playback. To adjust the music player settings, use the mouse to click **Music Player Settings**. The "Music Player Settings" window will be displayed.

"Music Player Settings" Window



⇒ **Speaker Fill:** To send audio to the rear channels of an audio system, use the mouse to check **Speaker Fill**.

⇒ **Music Player Volume:** Adjust the amount of gain applied to the audio signal by using the mouse to click ▲ or ▼.

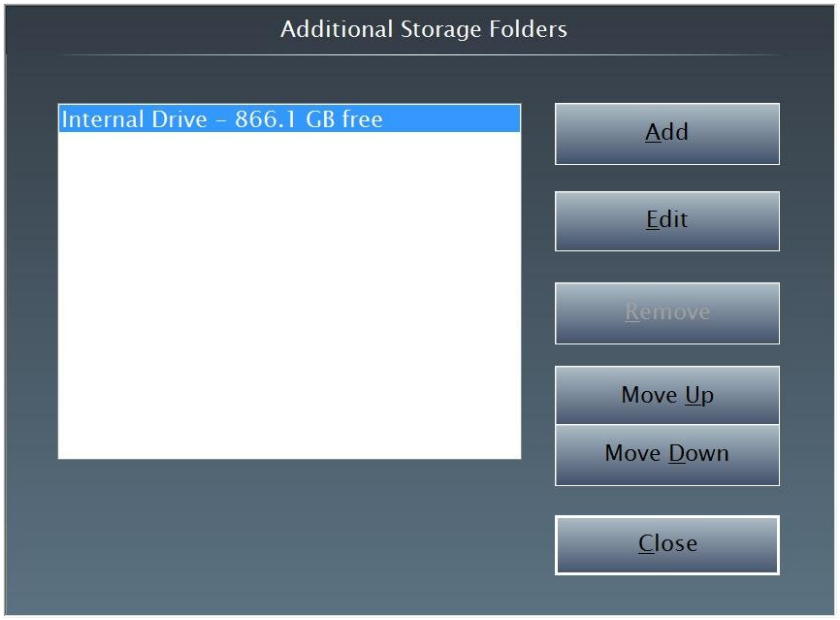
⇒ **Crossfade Duration:** Files are normally played with a crossfade option (the end of one song is blended with the next). Use the mouse to select **Off**, **Short**, or **Normal**.

⇒ **Save:** To save the setting, use the mouse to click **Save**.

⇒ **Exit:** To close the window, use the mouse to click **Exit**.

- **Additional Storage:** CDs can now be directly imported to an NAS. Multiple storage locations can be created so imported files will automatically roll over to the next device when a storage location is filled. To manage additional storage, use the mouse to click on **Additional Storage**. The "Additional Storage Folders" window will open.

"Additional Storage Folders" Window



⇒ **Add Storage Folder:** To add a storage folder, use the mouse to click **Add**. The "Additional Storage Folder Properties" window will open.

"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, use the mouse to 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, use the mouse to click **Test Connection**.
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 Folder:** To edit a storage folder, use the mouse to select a folder and click **Edit**. The "Additional Storage Folder Properties" window will open.

"Additional Storage Folder Properties" Window

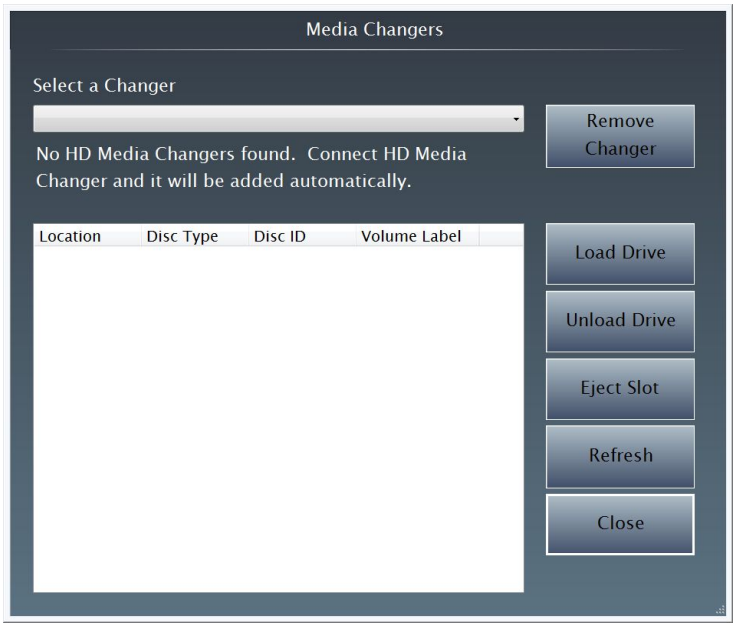
1. In the field *Folder Name*, enter the network location of the storage folder. The full path is required. To browse to the storage folder, use the mouse to click **…** and navigate to the storage folder.
2. If the storage folder requires a user name (user or domain\user) and password, type them in the *User Name* and *Password* fields.
3. To test the connection to the storage folder, use the mouse to click **Test Connection**.
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, use the mouse to click **Close**.

- **Media Changers:** Up to five ADC-200BR 200-Disc Blu-ray Changers can be connected to the ADMS over the IEEE 1394 connector on the rear of the ADMS. To manage the connected media changers, use the mouse to click on **Media Changers**. The "Media Changers" window will open.

"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**.

⇒ **Load Drive:** Loads the selected slot into the physical drive.

When discs are loaded into the drive, the ADMS automatically loads the movie into the Video Library, and performs the meta-data lookups. A status icon will be displayed on the ADMS' main menu while a disc is imported into the video library.

NOTE: Importing a full changer into the ADMS' library will require several hours. During this time do not unplug the firewire between the ADMS and the ADC-200BR or unplug power from either the ADMS or ADC-200BR.

⇒ **Unload Drive:** Returns any disc in the drive to its slot.

⇒ **Eject Slot:** Ejects the disc (if any) contained in the selected slot.

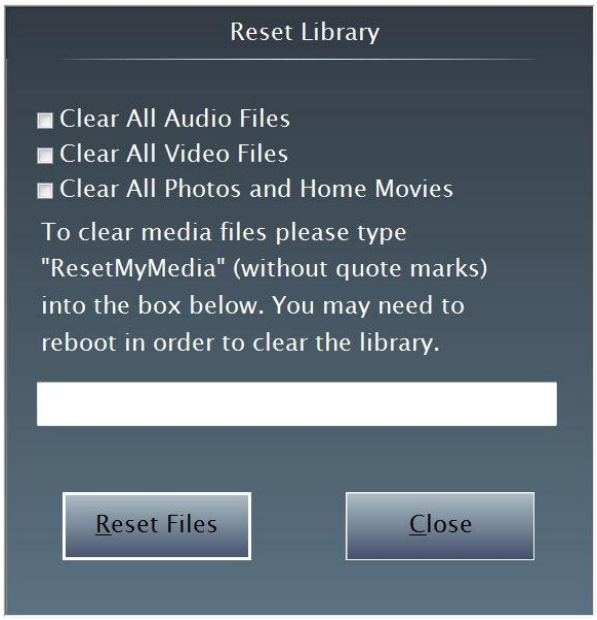
⇒ **Refresh:** Refreshes the display (since discs are normally scanned when loaded, this function is not needed during normal operation).

⇒ **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 the following page.

- **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. Use the mouse to click **Reset Files** to clear the selected file types. To close without resetting the library, use the mouse to click **Close**.

- **CD Import Quality:** The import quality used when importing CDs to the ADMS' storage can be selected. To select the CD import quality, use the mouse to click **CD Import Quality**. The "CD Import Quality" window will be displayed.

"CD Import Quality" Window

1. Use the mouse to select which compression level to use when importing audio CDs to the ADMS. The default setting is **Lossless**. Refer to the following table when selecting a compression quality:

Audio Compression Quality

COMPRESSION QUALITY	HOURS OF MUSIC	
	ADMS	CEN-NAS
Uncompressed (WAV)	1400	4500
Lossless (WMA)	2400	7400
Constant Bitrate 320 (WMA)	6400	19900
Constant Bitrate 256 (WMA)	8000	24800
WMA High Variable Bit Rate	6200	19300
WMA Med Variable Bit Rate	16300	50900
AAC High Quality	6600	20000
AAC Medium Quality	8000	24800

2. Use the mouse to click **Update** to update the compression quality for future imports. To close without saving, use the mouse to click **Close**.

NOTE: Previously imported CDs will not be affected by any changes made to this setting.

- **Backup:** The backup tool is used to configure the ADMS to backup the system settings and media files.

NOTE: The backup tool only backs up media files on the ADMS. Media files on networked servers are not backed up with the backup tool.

NOTE: Crestron recommends configuring the backup tool with a relatively small amount of media on the ADMS (i.e. one or two music albums and several video files in the local library).

NOTE: Before configuration, prepare a suitable destination to which the ADMS will copy all its critical data. One full terabyte is required to ensure the remote location can accommodate all of the locally stored media.

Once configured, the ADMS will initiate a background process that will copy to the specified destination, all locally stored imported media along with several other sets of files which comprise all that is needed to restore the ADMS to its present condition in the case of a major hardware failure. This includes:

⇒ The most recent local backup of the ADMS database. This is the backup made the prior night during the regularly scheduled 4:00 AM local backup process.

NOTE: The existing "local backup" process already makes a copy of the active database every night, and provides some level of protection against certain types of failures. However, the copy is stored on the same physical device and cannot be relied upon in cases where the local hardware fails or is damaged by external forces.

⇒ Amazon Unbox related media and supporting files.

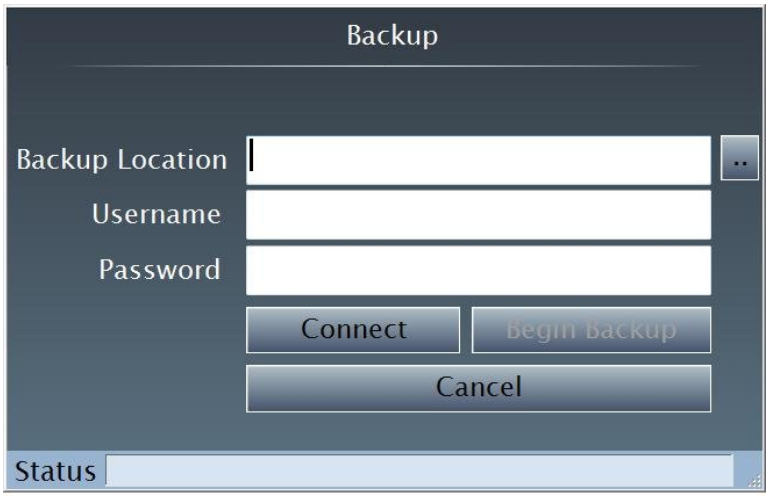
⇒ The Windows "DRM Store" which contains various Digital Rights Management licences used primarily in relation to Amazon Unbox rentals and purchases.

⇒ Internet Explorer Favorites which have been set by the user when using the embedded browser.

⇒ Configuration files found in the Settings folder which change over the lifetime of usage.

To specify the location where backup files are stored, use the mouse to click **Backup**. The "Backup Settings" window will be displayed.

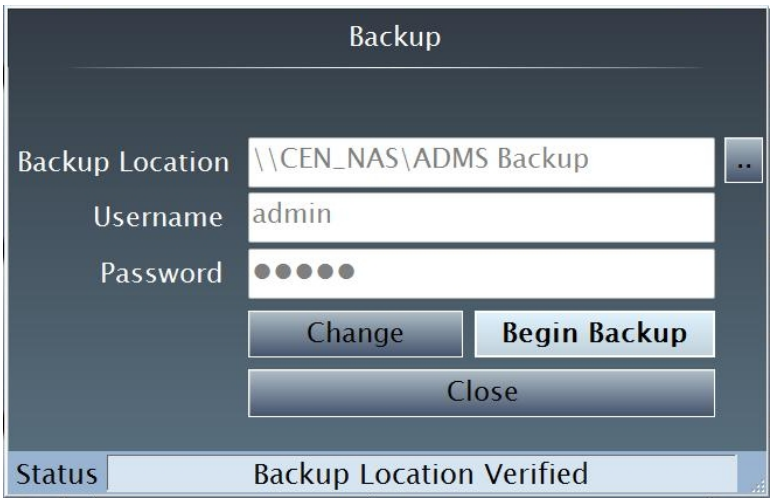
"Backup Settings" Window



The "Backup Settings" window has a Status bar which is used to display relevant messages such as backup/restore progress and also where error messages indicating an inaccessible or unsuitable network share are displayed.

1. In the field *Backup Location*, enter the network location where the backup folder (containing the backup files) will reside. The full path is required. To browse to the backup folder location, use the mouse to click **…** and navigate to the location of the backup folder.
2. If the backup folder requires a user name (user or domain\user) and password, type them in the *User Name* and *Password* fields.
3. To connect to the backup folder, use the mouse to click **Connect**. If a valid backup location is supplied with the proper credentials, the status bar will display "Backup Location Verified". The **Connect** button will change to **Change**.

"Backup Settings" Window



4. Use the mouse to click **Begin Backup**. The status will be indicated on the bottom of the window and the button labeled **Hide** will be displayed.

NOTE: At any time during the backup process, the "Backup Settings" window can be hidden by using the mouse to click **Hide**. If the ADMS is in the middle of a backup while navigating the main menu, a notification icon will be displayed in the upper right corner of the screen. When the icon goes away, the backup has been completed.

After the backup has completed, the status bar in the "Backup Settings" window will indicate that the backup process has been completed.

5. To cancel, use the mouse to click **Close**.

To restore an ADMS from a backup location:

CAUTION: If an ADMS contains media prior to being restored, any existing media that is not in the backup file will be permanently deleted.

1. Enter the network location of the backup files in the field *Backup Location* along with a user name and password in the appropriate fields (if required).

2. Use the mouse to click **Connect**. A message indicating that a backup file has been found will be displayed.
3. To restore the ADMS using this file, use the mouse to click **Begin Restore**. To cancel and return to the "Backup Settings" window, use the mouse to click **Cancel**.

NOTE: The ADMS cannot be used while the database is being restored.

When the restore process is complete, the status bar will indicate as such.

4. Use the mouse to click **Reboot**.

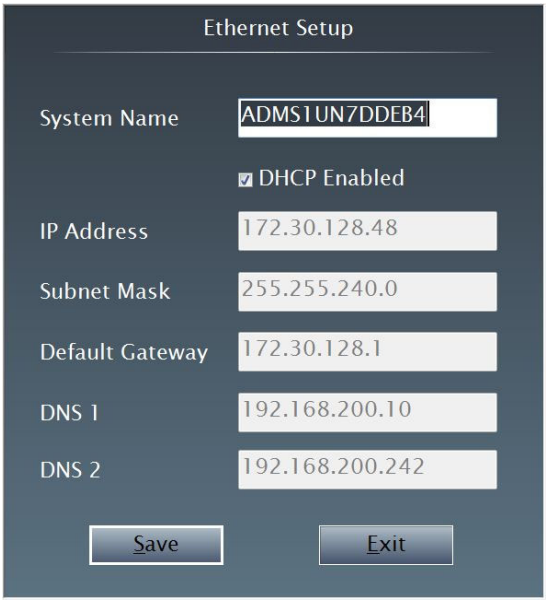
- **Close:** Use the mouse to click **Close** to close the "Library Configure" window and return to the SETUP MENU.

Ethernet

Use the Ethernet section of the SETUP MENU to configure the ADMS' Ethernet settings. To configure the ADMS' Ethernet settings:

1. Open the SETUP MENU as described on page 22 and use the mouse to click **Ethernet**. The "Ethernet Setup" window showing the current settings will be displayed.

"Ethernet Setup" Window



2. If desired, change the ADMS' system name in the *System Name* field. When operating the ADMS in a DHCP environment, this will be 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 is shipped with the DHCP mode enabled.

If DHCP is not enabled, static IP addresses 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, use the mouse to click **Save**. To exit without saving changes, use the mouse to click **Exit**.

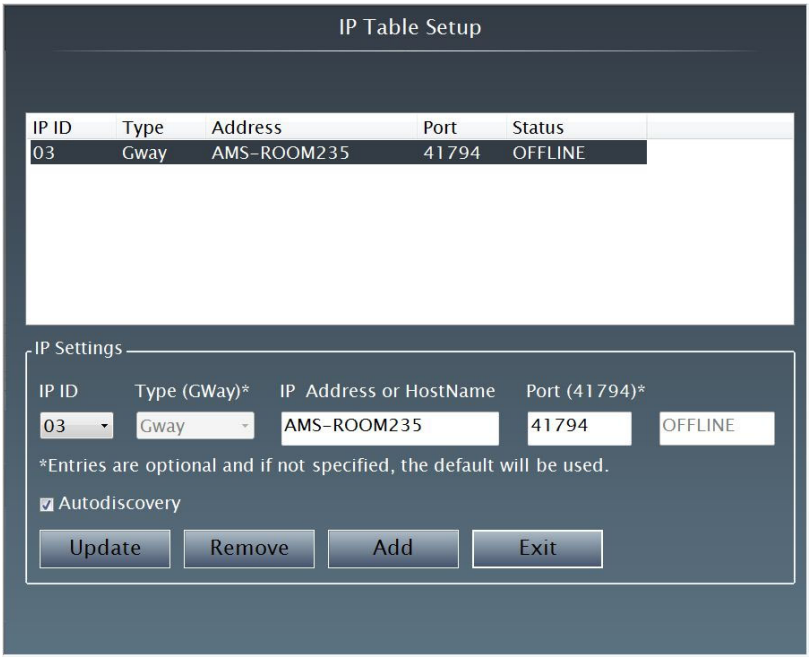
NOTE: If changes to Ethernet settings have been made, the ADMS may need to be rebooted.

IP Table

Use the IP table section of the SETUP MENU to configure the ADMS for Ethernet communication with a Crestron control system. To configure the ADMS' IP table:

1. Open the SETUP MENU as described on page 22 and use the mouse to click **IP Table**. The "IP Table" window showing the current IP table will be displayed.

"IP Table" Window



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

Add an IP Table Entry

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 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 will be communicating with the ADMS.
4. If desired, enter a port number if a port other than the default port (41794) will be used.
5. To add the entry to the IP table, use the mouse to click **Add**.

Edit an IP Table Entry

2. Use the mouse to select an IP table entry for editing.

3. 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 in a control system's IP table. The IP ID should match the IP ID set in the control system's SIMPL Windows program.
4. Enter the IP Address or the hostname of the control system that will be communicating with the ADMS.
5. If desired, enter a port number if a port other than the default port (41794) will be used.
6. To update the entry, use the mouse to click **Update**.

Remove an IP Table Entry

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

Autodiscovery

To enable the ADMS to be discovered by a Crestron control system using autodiscovery, use to enable the **Autodiscovery** feature.

Exit

To exit, use the mouse to click **Exit**.

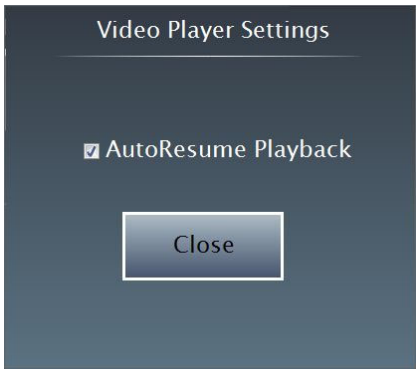
Video Player

Use the Video Player section of the SETUP MENU to determine whether the ADMS will automatically resume playback of a DVD or Blu-ray disc when stopped. To configure the ADMS' video player:

NOTE: Some Blu-ray discs do not allow playback to resume from where a disc has stopped.

1. Open the SETUP MENU as described on page 22 and use the mouse to click **Video Player**. The "Video Player Settings" window will be displayed.

"Video Player Settings" Window



2. Use the mouse to select/unselect the **AutoResume Playback**.
3. To return to the SETUP MENU, use the mouse to click **Close**.

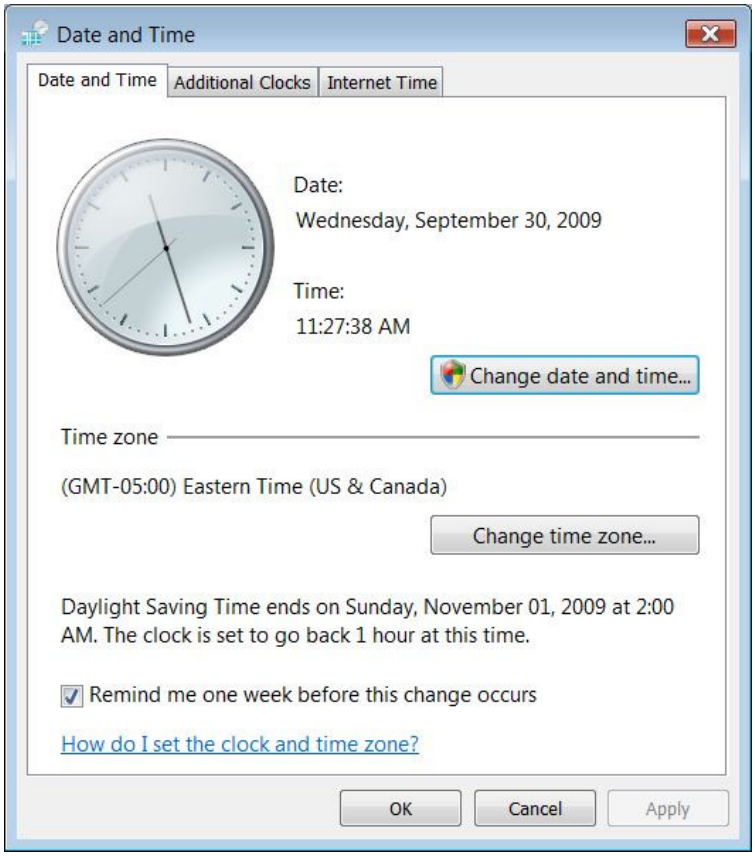
Date & Time

Use the Date Time section of the SETUP MENU to configure the ADMS' settings for date, time, time zone, and Internet time.

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

To configure the ADMS' date and time settings, open the SETUP MENU as described on page 22 and use the mouse to click **Date Time**. The "Date and Time" window showing the "Date and Time" tab will be displayed.

"Date and Time" Window with "Date and Time" Tab Selected



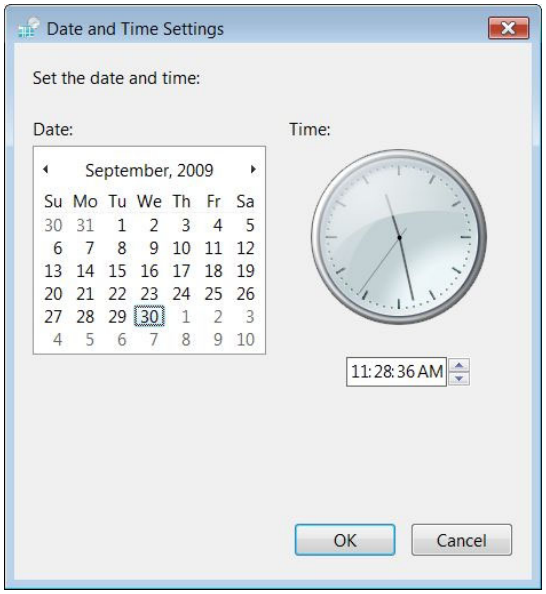
The *Date and Time* window contains three tabs:

- ***Date and* Time *Tab***

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

  ⇒ **Change Date and/or Time:** To change the date and/or time, use the mouse to click **Change date and time…**. The *Date and Time Settings* window will be displayed.

  "Date and Time Settings" Window



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

  ⇒ **Change Time Zone:** To **change** the time zone, use the mouse to click **Change time zone…**. The *Time Zone Settings* window will be 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, use the mouse to click **Cancel**.

- ***Additional Clocks Tab***

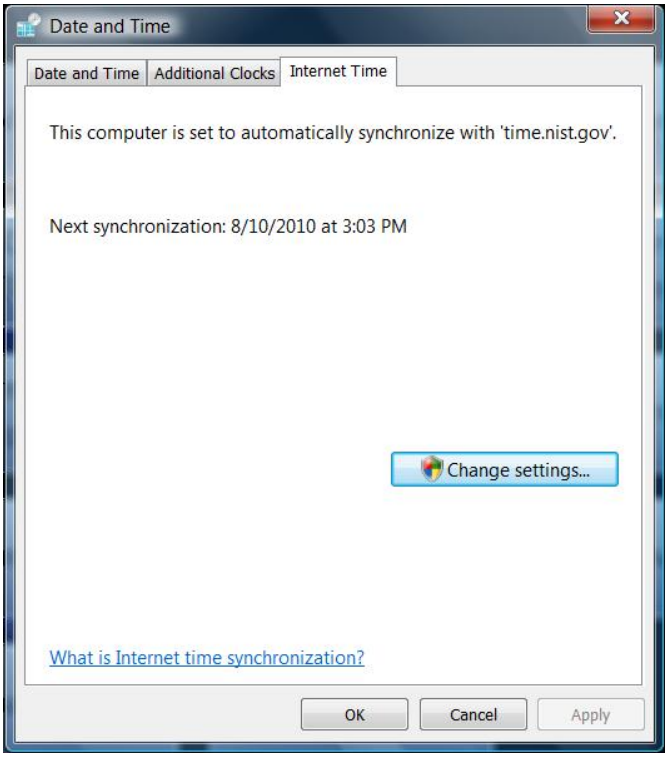
  The *Additional Clocks* tab is not used with the ADMS.

- ***Internet Time Tab***

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

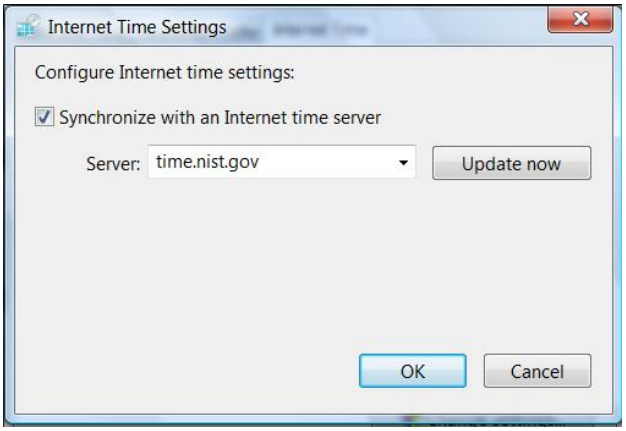
  Use the mouse to select the *Internet Time* tab. Information on the selected time server and next schedule synchronization will be displayed.

  "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 with the selected Internet time server.
4. Click **OK** to save changes or **Cancel** to cancel without saving changes.

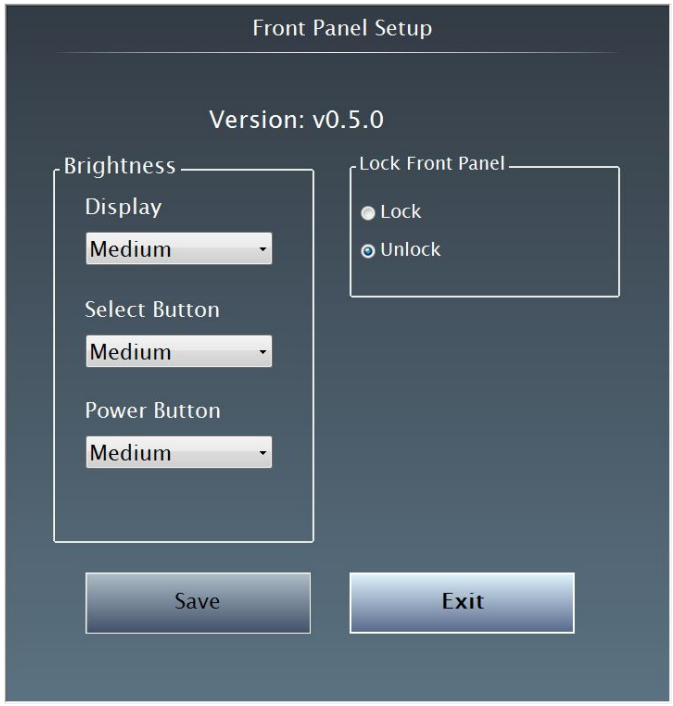
After adjustments to the time, time zone, and Internet time have been made, use the mouse to click **OK** to save changes and close the window, or click **Cancel** to cancel the changes.

Front Panel

Use the Front Panel section of the SETUP MENU to configure the ADMS' front panel.

To configure the ADMS' front panel settings, open the SETUP MENU as described on page 22 and use the mouse to click **Front Panel**. The "Front Panel Setup" window will be displayed.

"Front Panel Setup" Window



- **Brightness:** Using the dropdown lists, select brightness settings for the ADMS' display, **SELECT** button and the **POWER** button.
- **Lock Front Panel:** Use the mouse to select whether the front panel controls should be locked or unlocked.

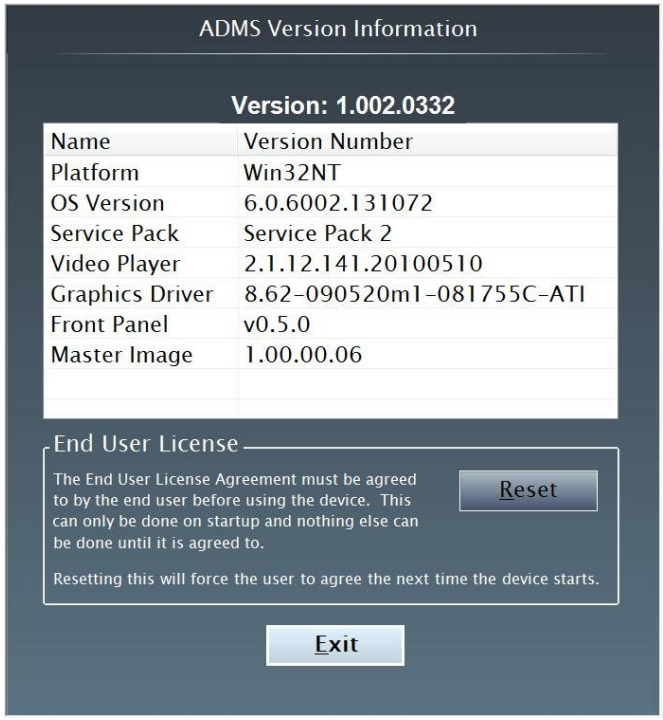
When all settings have been made, click **Save** to save the new settings and close the window or click **Exit** to close the window without saving the settings.

Version Information

Use the Version Information section of the SETUP MENU to view information about the ADMS' operating software and reset the End User License Agreement (EULA).

To view information about the ADMS or reset the EULA, open the SETUP MENU as described on page 22 and use the mouse to click **Version Information**. The "Version Information" window will be displayed.

"Version Information" Window



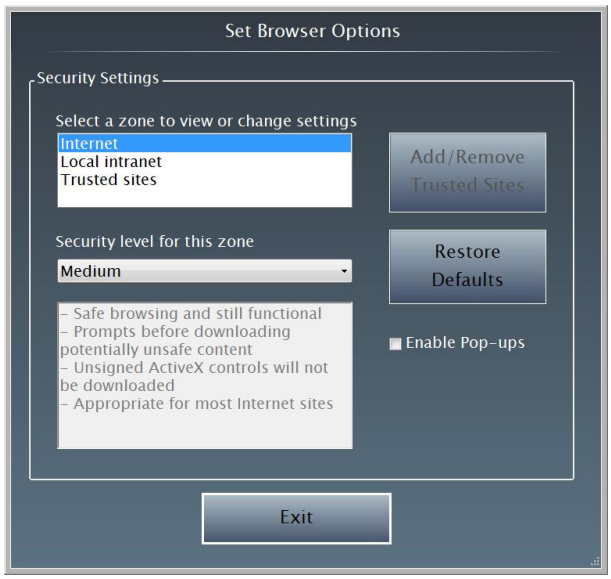
- Prior to delivery, the EULA should be reset so the customer will be forced to accept it when they take ownership of the ADMS. To reset the EULA, use the mouse to click **Reset**.
- To close the window and return to the setup menu, use the mouse to click **Exit**.

Browser

Use the Browser section of the SETUP MENU to configure the security settings for the embedded Microsoft Internet Explorer web browser.

To view or configure security settings for the Internet browser, open the SETUP MENU as described on page 22 and use the mouse to click **Browser**. The "Set Browser Options" window will be 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

   When Trusted Sites is selected, a list of trusted sites can be created and edited. To add or remove a trusted site, use the mouse to click **Add/Remove Trusted Sites**. The "Add/Remove Trusted Sites" window will be 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 use the mouse to 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, use the mouse to 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 will not be 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, 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.

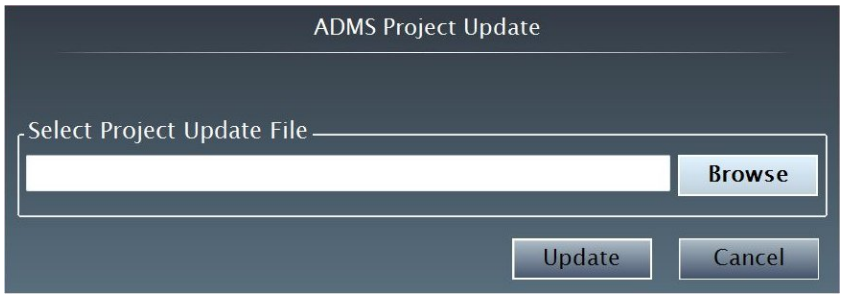
4. To restore the factory default settings, use the mouse to click **Restore Defaults**.
5. Prior to delivery, the EULA should be reset so the customer will be forced to accept it when they take ownership of the ADMS. To reset the EULA, use the mouse to click **Reset**.
6. To close the window and return to the SETUP MENU, use the mouse to click **Exit**.

Crestron Home Pages

The ADMS can use a compiled VisionTools Pro-e (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 22 and use the mouse to click **Crestron Home Pages**. The "ADMS Project Update" window will be displayed.

"ADMS Project Update" Window



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

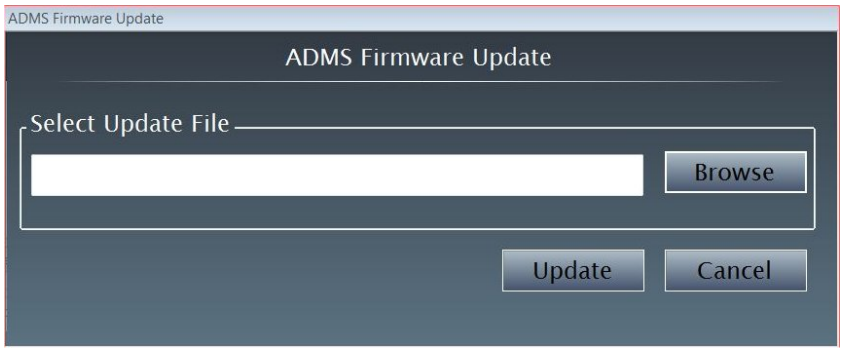
1. Enter the filename (including path) of the compiled project. Otherwise, use the mouse to click **Browse** and browse for the file.
2. To update the Crestron Home project on the ADMS, use the mouse to click **Update**. Otherwise, click **Cancel** to return to the SETUP MENU.

Firmware Updates

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

To select a firmware file to update the ADMS, open the SETUP MENU as described on page 22 and use the mouse to click **Firmware Updates**. The "ADMS Firmware Update" window will be displayed.

"ADMS Firmware Update" Window



1. Enter the filename (including path) in the filename field. Otherwise, use the mouse to click **Browse** and browse for the file.
2. To install the selected file, use the mouse to click **Update**. To cancel and return to the SETUP MENU, use the mouse to click **Cancel**.
3. When the update is complete, the ADMS will reboot.

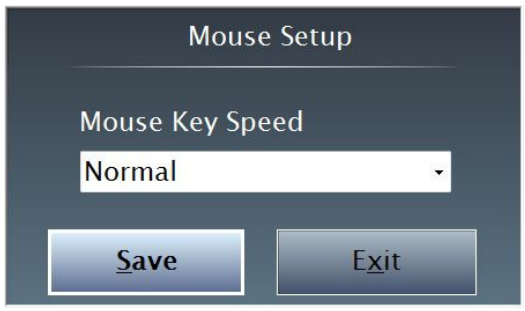
The ADMS' firmware can also be updated from the Advanced section of the MAIN MENU.

Mouse

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

To select a mouse key speed setting, open the SETUP MENU as described on page 22 and use the mouse to click **Mouse**. The "Mouse Setup" window will be displayed.

"Mouse Setup" Window

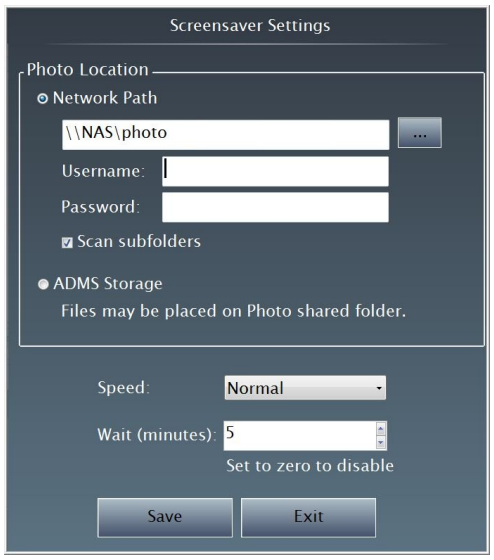


1. Use the mouse to select the *Mouse Key Speed* (Slowest, Slow, Normal, Fast, and Fastest) from the dropdown list.
2. To save the setting, use the mouse to click **Save**. Otherwise, use the mouse to click **Exit**.

Screensaver

The ADMS 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 22 and use the mouse to click **Screensaver**. The "Screensaver Settings" window will be displayed.

"Screensaver Settings" Window



1. Enter the location where photos used by the screensaver are located. A network path, portable mass storage device can be specified, or the ADMS' internal storage can be selected.

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

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

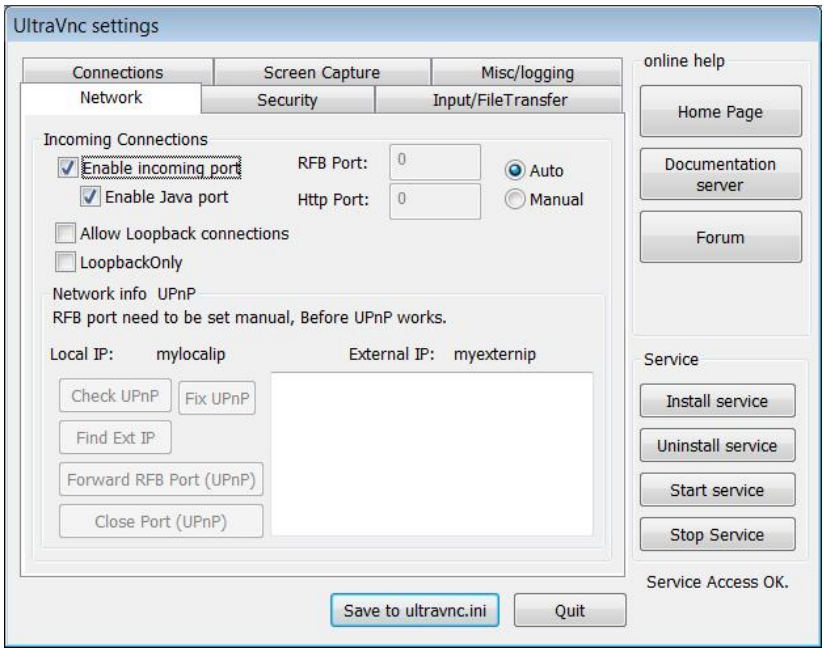
2. Use the mouse to select the operating speed of the screensaver.
3. Use the mouse to select the wait time (in minutes) before the screensaver activates.
4. To save the changes, use the mouse to click **Save**. Otherwise, use the mouse to click **Exit**.

Virtual Network Computing (VNC)

Use the VNC section of the SETUP MENU to configure the ADMS to receive remote assistance. To configure the ADMS' for VNC operation:

1. Open the SETUP MENU as described on page 22 and use the mouse to click **VNC**. The "UltraVnc Settings" window showing the current settings will be 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 must have port 5900 (by default) open to enable communications with the ADMS from outside of the installation.

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

- **To change the password:** Use the mouse to select the **Security** tab and enter a new password. The default password is *dealeradmin*.

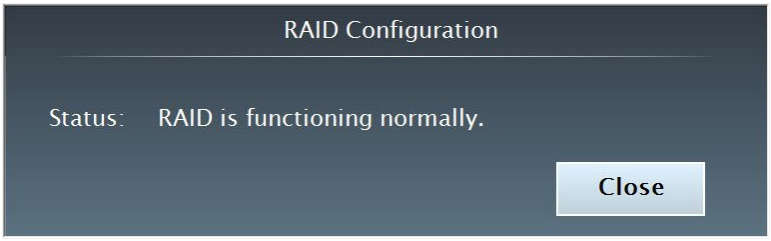
2. To save changes, use the mouse to click **Save to ultravnc.ini**. To exit and return to the SETUP MENU, use the mouse to click **Quit**.

RAID

The ADMS uses RAID 1 technology for data loss prevention. When a drive has failed and requires replacement, the Raid Configuration Tool is used. To use the RAID Configuration Tool, open the SETUP MENU as described on page 22 and use the mouse to click **RAID**. The "Raid Configuration" window will be displayed.

During normal operation, the screen will be displayed as shown below.

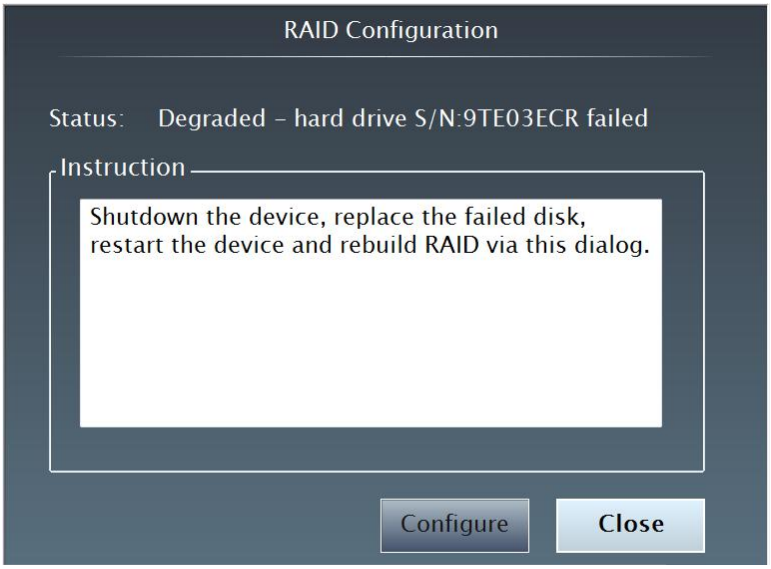
"Raid Configuration" Window



If the drive is failing, follow the instructions on screen.

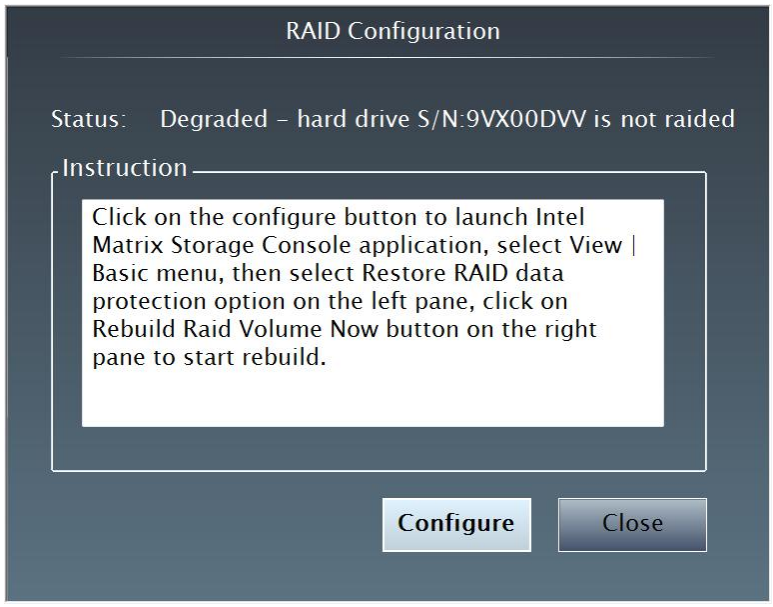
Degraded Drive: If one of the hard drives becomes bad, the status will be listed as "Degraded" and the serial number of the degraded hard drive is indicated. Instructions will be provided for correcting the problem as shown in the following diagram.

RAID Drive: Degraded



New Drive: When a new blank hard drive is installed, the **Configure** button will be enabled and instructions to configure the hard drive will be provided.

RAID Drive: Replace



NOTE: Rebuilding a RAID array can take up to five hours. System performance is not affected while the RAID array is being rebuilt.

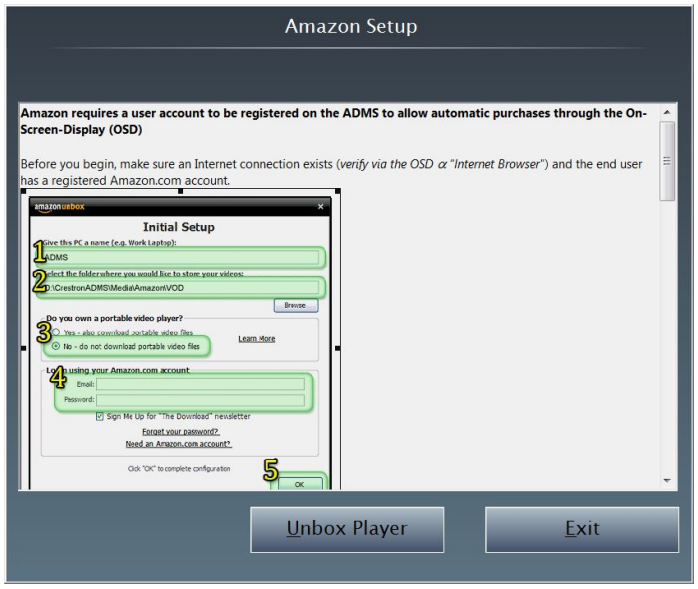
To exit and return to the SETUP MENU, use the mouse to click **Close**.

Amazon

The ADMS uses Amazon.com to provide video-on-demand.

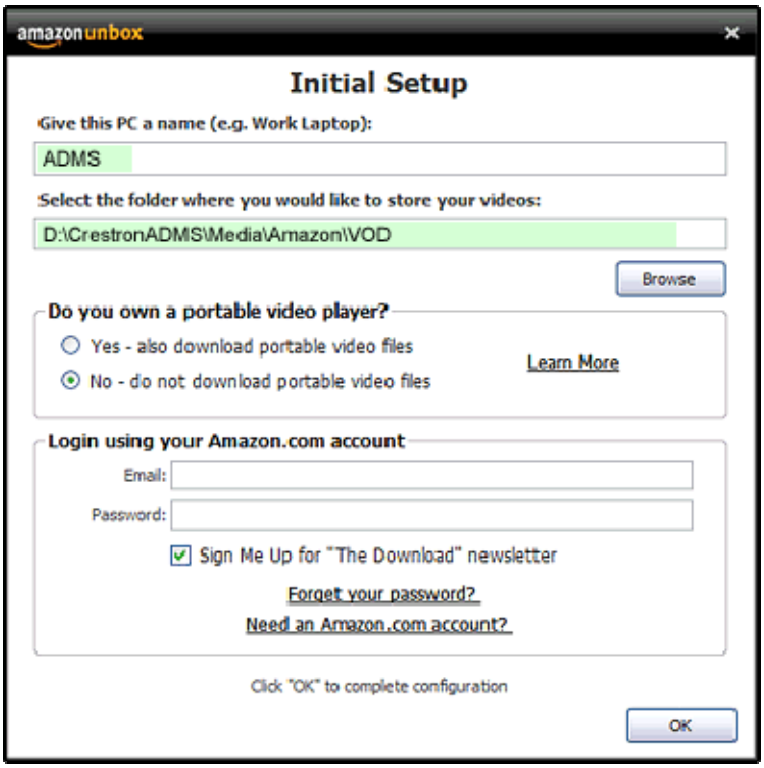
The ADMS requires a customer's Amazon.com account to be registered on the ADMS. To configure the ADMS to use Amazon.com's video-on-demand service, open the SETUP MENU as described on page 22 and use the mouse to click **Amazon**. The "Amazon Setup" window will be displayed.

"Amazon Setup" Window



1. Verify that an internet connection is present and the customer has a registered Amazon.com account.
2. Use the mouse to click **Unbox Player**. The "Amazon Unbox Player" setup will launch.

"Amazon Unbox Player" Setup



NOTE: Setup is only launched once, so make sure this procedure is followed as described.

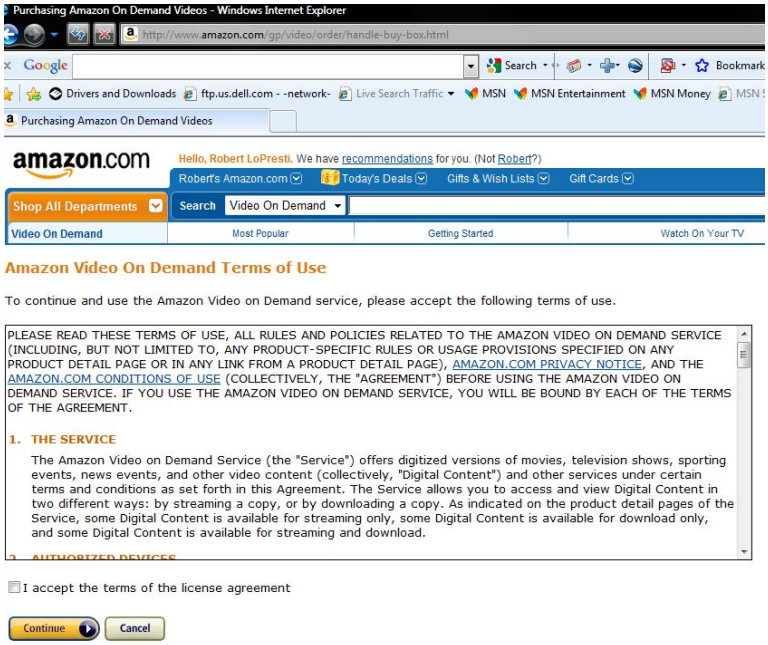
3. Where prompted for a name, enter a unique name for the ADMS to be identified by Amazon.com. The name will be listed in the *Video Library* on Amazon.com's website.
4. Select "No – do not download portable video files"
5. Enter the customer's Amazon.com email address and password.
6. (Optional): Use the mouse to select whether to receive "The Download" newsletter from Amazon.com via email.
7. Use the mouse to click **OK** and return to the SETUP MENU.
8. Use the mouse to click **Exit** and exit the SETUP MENU.
9. Use the up (⇧) or down (⇩) arrow keys on the keyboard to highlight **Internet Browser** and press **Enter**. The Internet browser will open.
10. Enter the URL www.amazon.com and log in with the customer's login and password from step 5.
11. Use the mouse to click **Your Account**.
12. In the Payment section, use the mouse to add a credit card if a credit card is not already stored.

13. Use the mouse to click **Settings**.
14. Use the mouse to click **1-Click Settings**.
15. The 1-Click setting should be turned on.

NOTE: The customer should have a valid credit card stored on their Amazon.com account.

16. If the customer has never used the Amazon Unbox player before, the Terms of Use must be accepted. To accept the terms of use, a non-free video must be purchased from the Amazon.com website using the ADMS' Internet browser. Once the purchase has been made, the Terms of Use page will be displayed.

Amazon Unbox Terms of Use



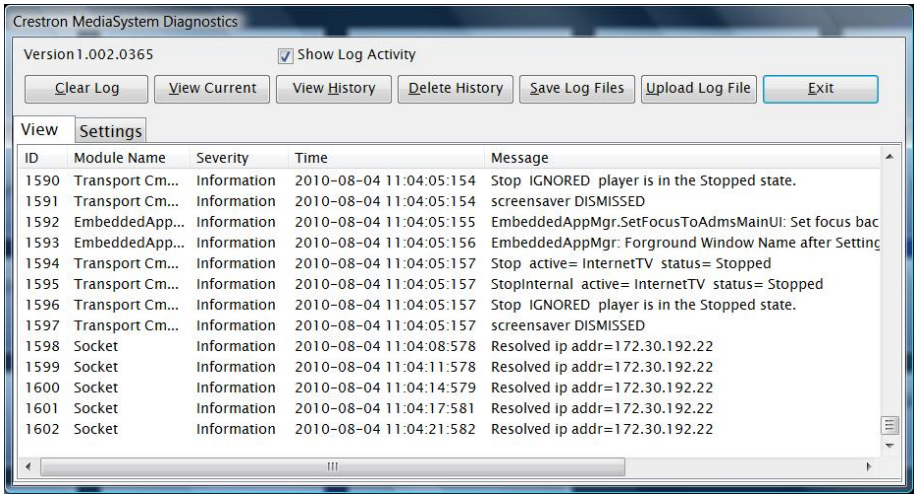
17. Accept the Terms of Use and click **Continue**. If any videos have been purchased, they will start to download.
18. When download is complete, reboot the ADMS.

NOTE: If prompted to upgrade Amazon Unbox software, use the mouse to click **Remind Me Later**.

Logging

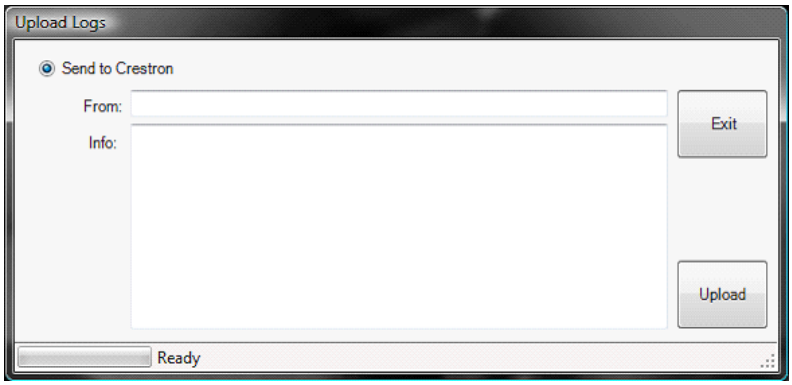
The ADMS maintains a log of system events which can be used for troubleshooting. To open the system log for saving to USB or network storage, open the SETUP MENU as described on page 22 and use the mouse to click **Logging**. The "Crestron MediaSystem Diagnostics" window will be displayed.

"Crestron MediaSystem Diagnostics" Window



- To clear the log, use the mouse to click **Clear Log**.
- To view the current log in Notepad, use the mouse to click **View Current**.
- To view all log files stored on the ADMS in Notepad, use the mouse to click **View History**.
- To delete the history, use the mouse to click **Delete History**.
- To save the log files, use the mouse to click **Save Log Files**.
- To upload the log file for further analysis, use the mouse to click **Upload Log File**.

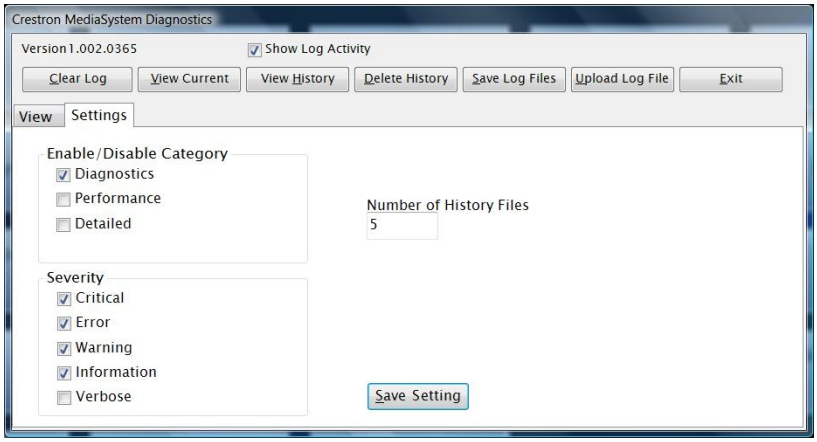
"Upload Logs" Window



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

International

To ensure proper operation of internet-based video providers, the location of the ADMS must be specified. To configure the location of the ADMS, use the mouse to click **International**. The *International Setup* window will be displayed.

"International Setup" Window

1. Use the mouse to click on United States or International.
2. To save the setting, use the mouse to click **OK**. To cancel, use the mouse to click **Cancel**.

Blu-ray Region

The ADMS' DVD/Blu-ray player can be configured for regional playback of DVDs and Blu-ray discs.

To configure the region, use the mouse to click **DVD/Blu-ray Region**. The *DVD/Blu-ray Region Setup* window will be displayed.

"DVD/Blu-ray Region Setup" Window

1. In the *DVD Region* field, use the mouse to select a region number from the dropdown menu.
2. To set the DVD region, use the mouse to click **Set DVD Region.**

NOTE: Only one region 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. In the *Blu-ray Region* field, use the mouse to select a region letter from the dropdown menu.
4. To set the Blu-ray region, use the mouse to click **Set Blu-ray Region.**

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

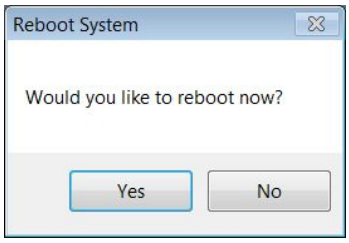
NOTE: To minimize unauthorized playback, the Blu-ray region setting can be changed up to five times. Afterwards, the setting can no longer be changed.

5. To exit, use the mouse to click **Exit**.

Reboot

The ADMS can be rebooted from the SETUP MENU. To reboot the ADMS, open the SETUP MENU as described on page 22 and use the mouse to click **Reboot**. The "Reboot System" window will be displayed.

"Reboot System" Window



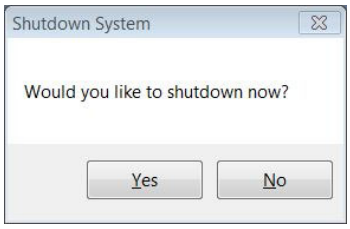
To reboot the ADMS, use the mouse to click **Yes**.

To cancel, use the mouse to click **No**.

Shutdown

The ADMS can be shutdown from the SETUP MENU. To shutdown the ADMS, open the SETUP MENU as described on page 22 and use the mouse to click **Shutdown**. The "Shutdown System" window will be displayed.

"Shutdown System" Window



To shutdown the ADMS, use the mouse to click **Yes**.

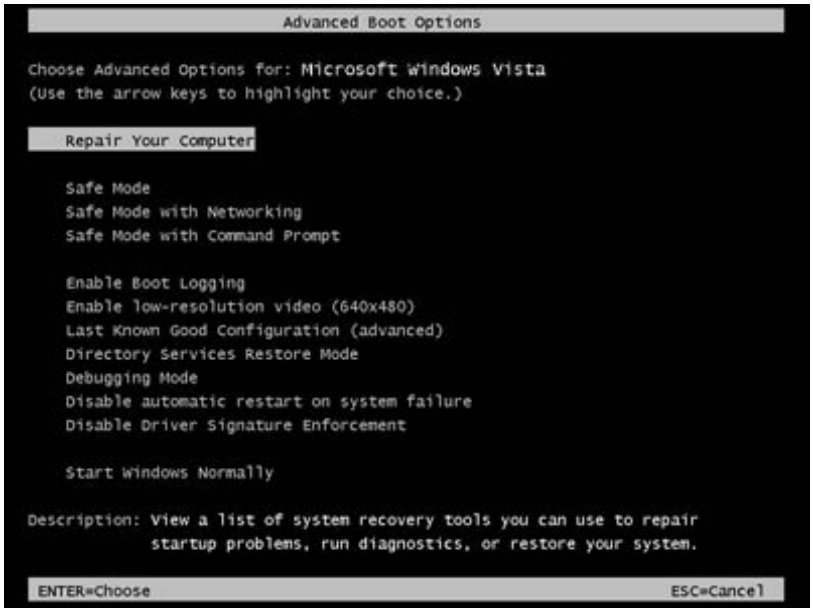
To cancel, use the mouse to click **No**.

System Recovery

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

1. Turn on the ADMS.
2. When the ADMS is powering up, press **F8**. The *Advanced Boot Options* will be displayed.

Advanced Boot Options



3. Press the up or down arrow keys on the keyboard to highlight **Repair Your Computer** and press **Enter**. The system recovery process will start automatically.
4. Upon completion, the ADMS will reboot.

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 website. 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 will need to 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 website.

Crestron has developed an assortment of Windows®-based software tools to develop a controlled system. You can create a program to control the ADMS using the Crestron programming tools Crestron SystemBuilder or SIMPL Windows. For the minimum recommended software versions, visit the Version Tracker page of the Crestron website (www.crestron.com/versiontracker).

Programming with Crestron SystemBuilder

Crestron SystemBuilder is the easiest method of programming but does not offer as much flexibility as SIMPL Windows. For additional details, download SystemBuilder from the Crestron website and examine the extensive help file.

Programming with SIMPL Windows

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

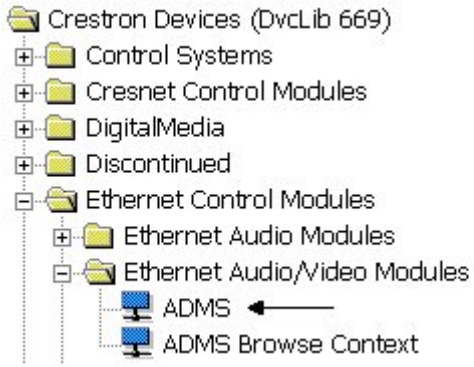
SIMPL Windows is Crestron's premier software for programming Crestron control systems. It is organized into two separate but equally important "Managers".

Configuration Manager

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

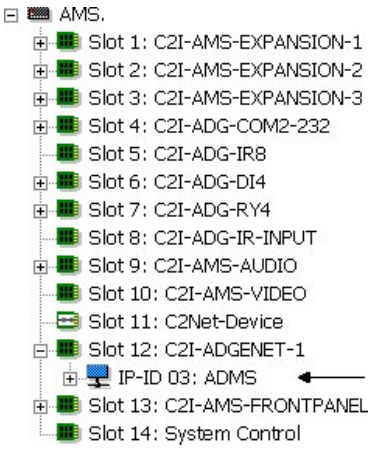
1. To incorporate the ADMS into the system, drag the ADMS from the Ethernet Control Modules |Ethernet Audio/Video Modules folder of the *Device Library* and drop it in the *System Views.*

Locating the ADMS in the Device Library



2. 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.

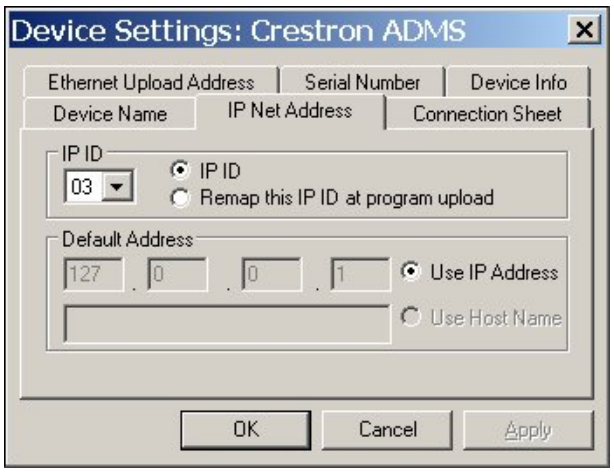
C2I-ADGNET-1 Net Device, Slot 12



3. Additional ADMS devices are assigned different IP ID numbers as they are added.

4. If necessary, double click a device to open the "Device Settings" window and change the IP ID as shown in the following figure.

"Device Settings: Crestron ADMS" Window



5. The ID code specified in the SIMPL Windows program must match the IP ID of each unit. Refer to "Identity Code" on page 12.

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**).

Example Program

An example program for the ADMS is available from the Crestron website (www.crestron.com/exampleprograms).

Operation

The front panel can be used to play audio files stored in the ADMS' media library while the On-Screen-Display can be used to play all media (audio and video) stored in the ADMS' media library, view internet video, and browse the Internet with the integrated Internet browser.

Front Panel Operation

Use the ADMS' front panel to play audio files stored in the ADMS' media library.

Navigation

Front panel navigation is accomplished with the selection knob and the **SELECT** button.

1. Turn the selection knob to browse through list items such as albums, playlists, and the current disc. Press **MENU** to return to the previous item.
2. To select the displayed item, press **SELECT**. If a selected item is an audio file, playback will begin.

Playback Controls

Selecting an album automatically starts playing the album. Audio playback is controlled with the selection knob and the **SELECT** button.

1. Turn the selection knob to display the desired function (pause, resume, stop, play).
2. Press **SELECT** to perform the displayed function.

On-Screen-Display Operation

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

Required Equipment

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

Navigation

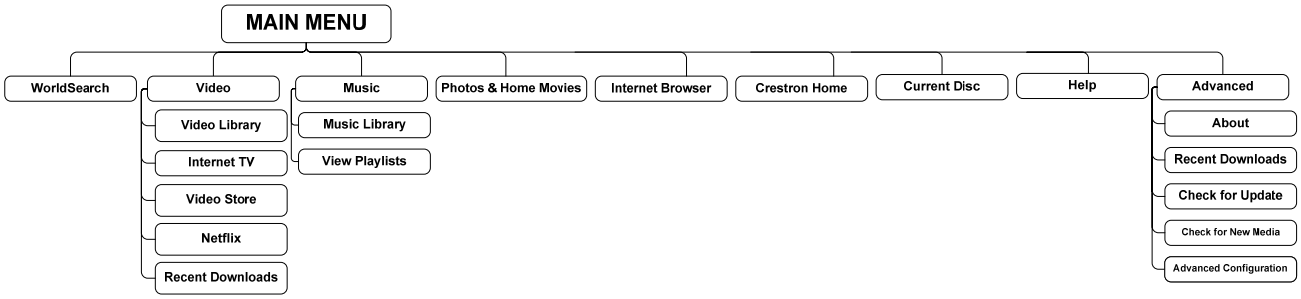
The arrow (⇦, ⇨, ⇧, and ⇩), **F11** (**EXIT** on KB-RFUSB), **F12** (**MENU** on KB-RFUSB), and **Enter** keys are used to operate the ADMS.

- ⇦, ⇨, ⇧, and ⇩**:** Moves 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.

Main Menu

The ADMS' main menu is where all of the ADMS' functionality can be accessed. Refer to "On-Screen-Display Operation" above to navigate the ADMS' main menu.

ADMS Main Menu



The ADMS' main menu consists of nine sections:

- **WorldSearch:** Search the ADMS' video and music libraries, Internet TV, and video store.
- **Video:** Browse and/or search through the video library, the video store, and Internet TV.
- **Music:** Browse and/or search through the music library and playlists.
- **Photos and Home Movies:** Browse through the photo and home movie libraries.
- **Internet Browser:** Visit websites with the ADMS' integrated Internet browser.
- **Crestron Home:** View controls for the Crestron home.
- **Current Disc:** Play the disc in the ADMS' optical disk drive.
- **Help:** View available tutorial videos.
- **Advanced:** View system information, view a list of downloaded files, activate the photo slideshow (screensaver), check for firmware updates, check for new media, and configure the ADMS.

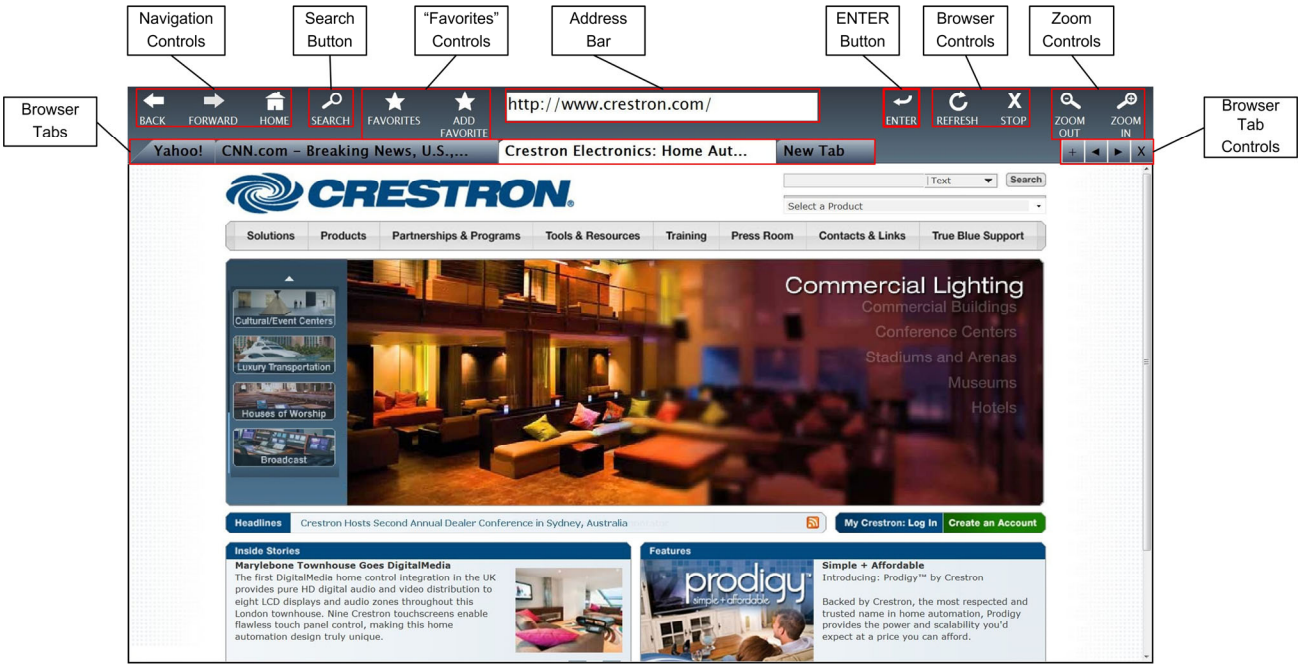
System Notification Icons

The ADMS will display 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' online help.

Internet Browser

The ADMS' integrated Internet browser can be used for navigating the World Wide Web. To navigate the web browser, a keyboard or a touchpanel with keyboard programming is required. The following diagram shows the Internet browser's controls.

Internet Browser Controls



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

- **Browser Tabs:** The Internet browser can have multiple websites 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 69.

  NOTE: Up/Down/Left/Right keys on either a remote control or an actual 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 website address of the 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 website 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 **STOP** button, use the arrow keys to move the cursor to the desired function and press **Enter**.
- **Browser Tab Controls:** Use the browser tab controls to add, scroll through, or delete browser tabs from the Internet browser.

  - **+ (Add):** Use the Add function 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 Browse functions to browse through browser tabs.
  - **X (Close):** Use the Close function 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' integrated Internet browser, refer to "Appendix: Internet Browser Keyboard Shortcuts" on page 82.

Netflix

The ADMS can be used to view videos using a Netflix account.

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

To link the ADMS to a Netflix account:

1. Open the ADMS' 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' Video menu.
4. Follow the on-screen instructions to link the ADMS 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.

To remove the Netflix account associated with the ADMS:

1. Open the ADMS' 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 will unlink all ADMS systems that are linked to the account.

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

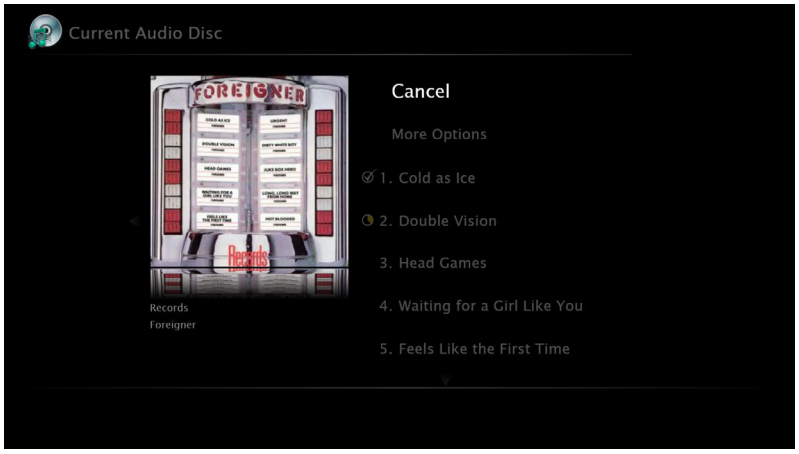
Import Music to Music Library

The ADMS can import CDs to its music library. To import a CD:

1. Insert a CD (label side up) into the ADMS' optical disk drive. The ADMS will search for album information.

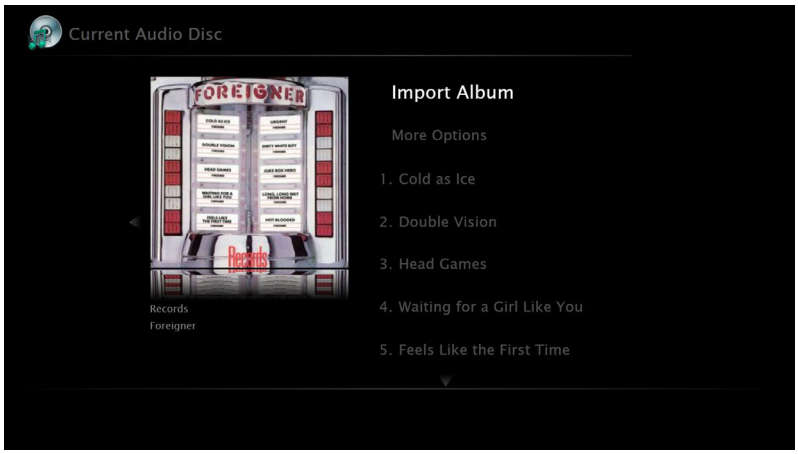
   If the ADMS is set to automatically import CDs, the album information will be displayed and the CD will be imported to the ADMS' music library. To cancel the import, use the arrow keys on the keyboard to highlight **Cancel** and press **Enter**.

   CD Imported to ADMS' Music Library



   If the ADMS is not set to automatically import CDs, the album information will be displayed with an option to import the album.

CD Imported to ADMS' Music Library

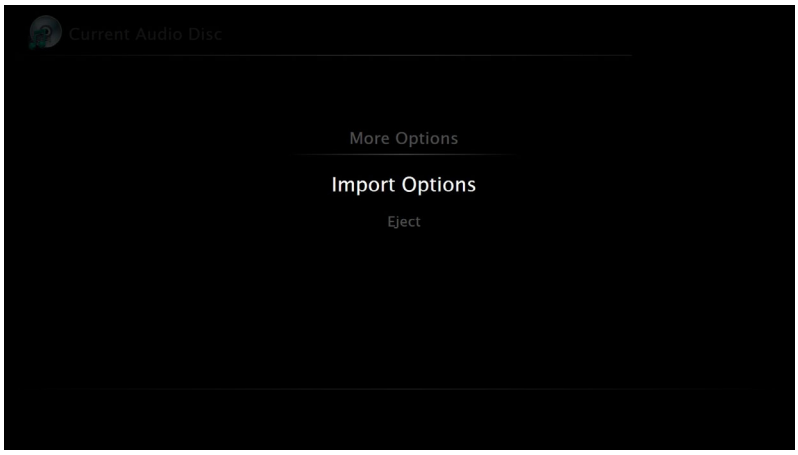


Use the arrow keys on the keyboard to highlight **Import Album** and press **Enter**.

Import Options

1. To set options for importing CDs, use the arrows keys on the keyboard to highlight **More Options** and press **Enter**.

   More Options



2. Use the arrow keys on the keyboard to select **Import Options** and press **Enter**. Options for importing CDs will be displayed.

Import Options

3. Decide if CDs should be automatically imported when inserted into the ADMS. Use the arrow keys on the keyboard to highlight the desired choice and press **Enter**.
4. Decide if a CD should be automatically ejected after importing. Use the arrow keys on the keyboard to highlight the desired choice and press **Enter**.
5. Use the arrow keys on the keyboard to highlight **Done** and press **Enter**.

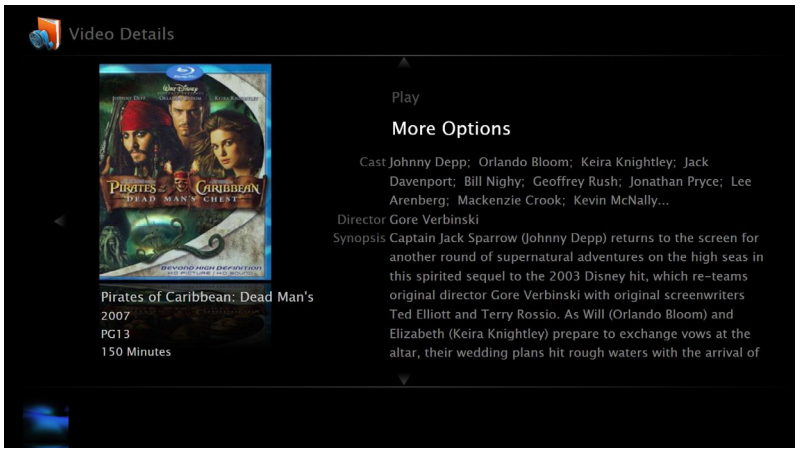
Edit Video or Music Information

The ADMS uses metadata obtained from an online service to provide information about movies and albums/songs in the video and music libraries. A customer may wish to edit metadata to change information provided from the online service. To change information:

Video

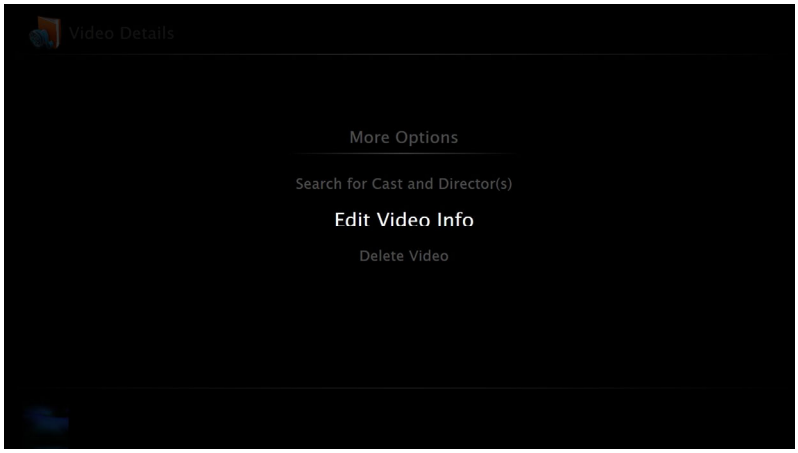
1. Select a video file for editing from the video library.

Selected Video File



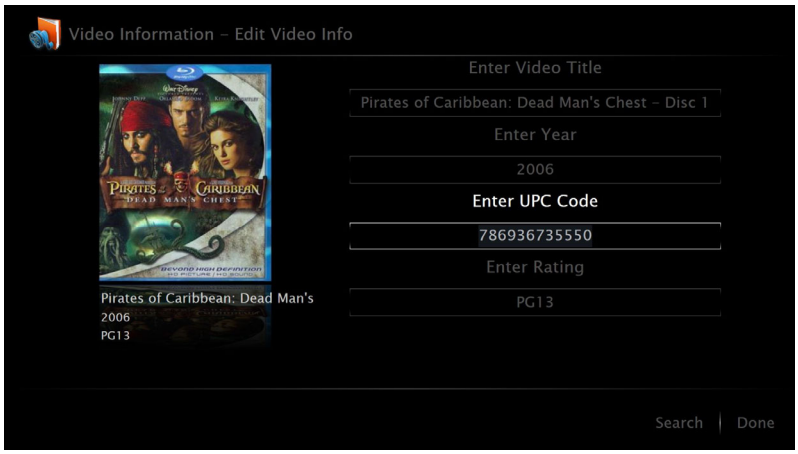
2. Use the arrow keys on the keyboard to highlight **More Options** and press **Enter**. A list of options will be displayed.

More Options



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

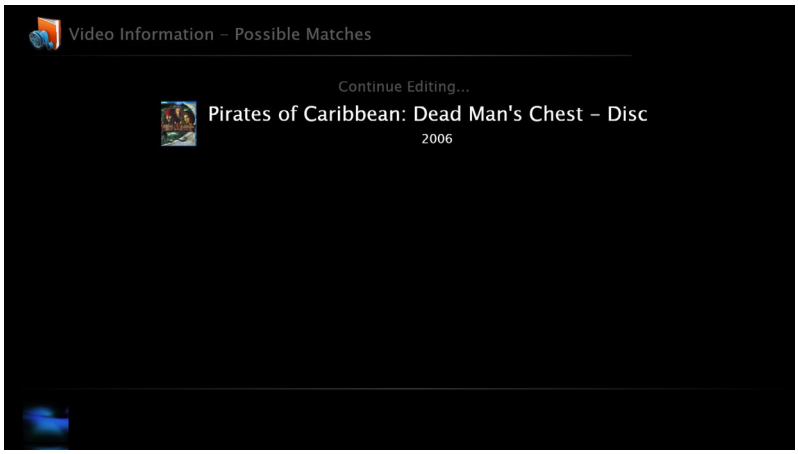
Video Information



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

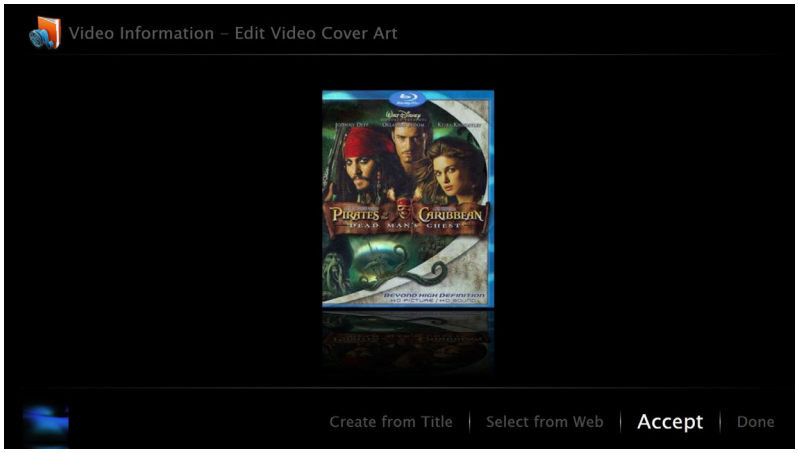
   When editing is complete, accept the video information by using the arrow keys to highlight **Done** and press **Enter**. Otherwise, continue editing by using the arrow keys to highlight **Search** and press **Enter.** The ADMS will search the online service for movie details.

Search Results



5. 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 will be 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.

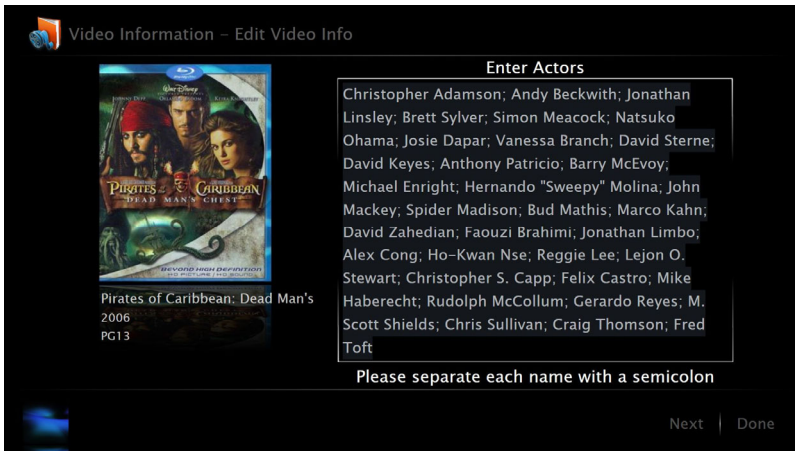
     a. Use the arrow keys to move the cursor to the **GET IMAGE** button and press **Enter**.

     b. Use the arrow keys to move the cursor to the desired image and press **Enter**. A popup window will prompt 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.

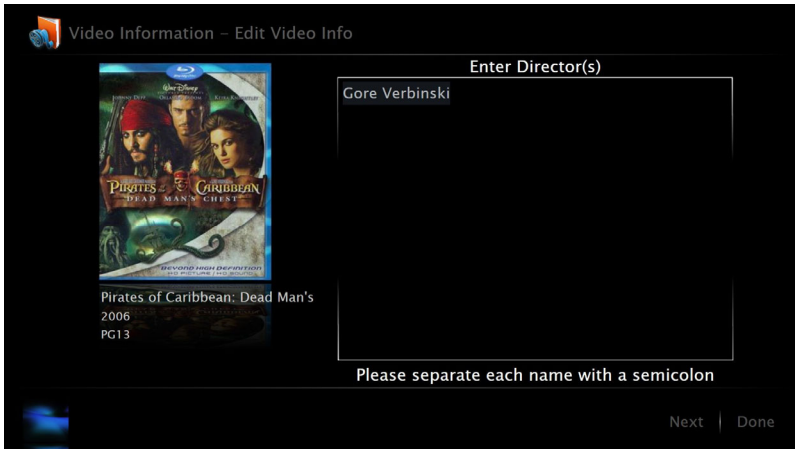
Actors



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) will be displayed.

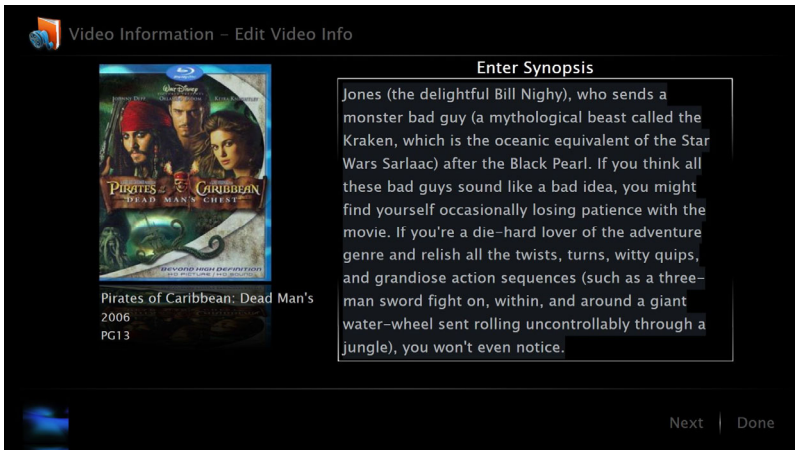
Director(s)



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 will be displayed.

Synopsis



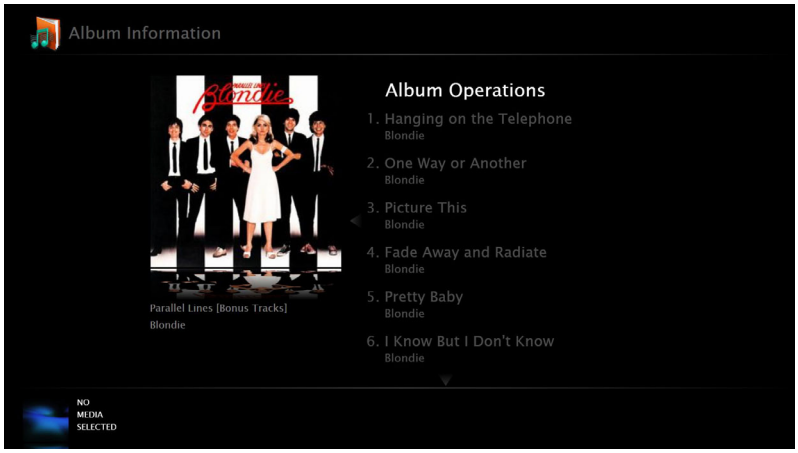
To edit the movie's synopsis, use the arrow keys to move the cursor to the field containing the synopsis and type a new synopsis.

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

Album

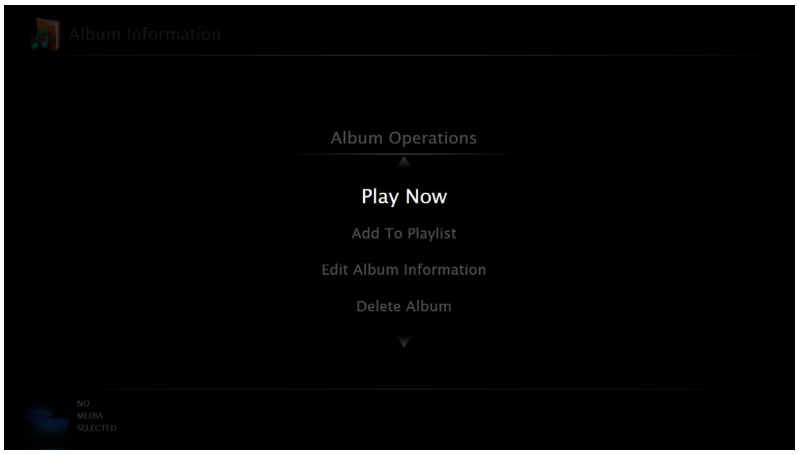
1. Select an album for editing from the music library.

Selected Album



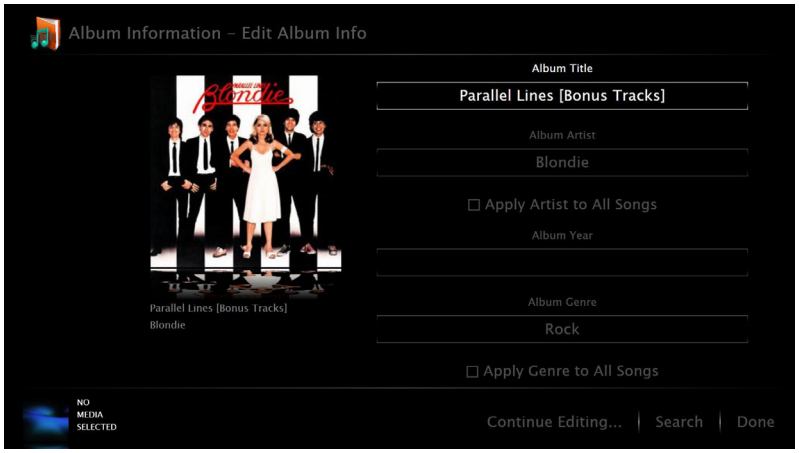
2. Use the arrow keys on the keyboard to highlight **Album Operations** and press **Enter**. A list of options will be displayed.

Album Operations



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

Album Information

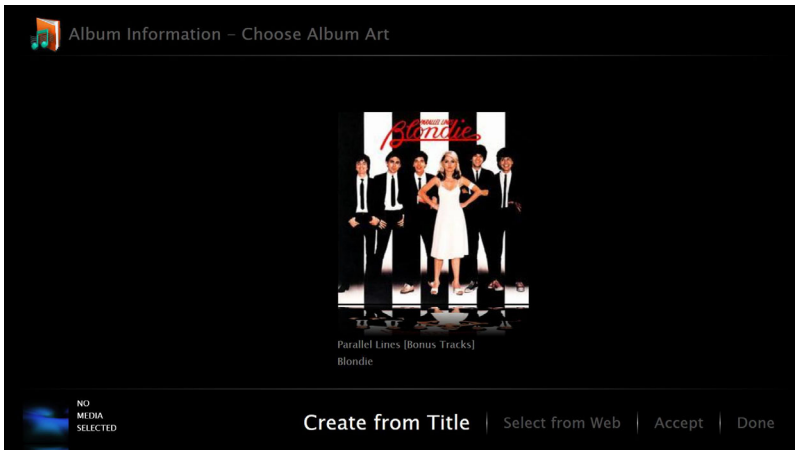


4. To edit a field, use the arrow keys to highlight a field and type the new information.

   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 will be displayed.

Cover Art



5. 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. 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 will ask the user to confirm the selection.

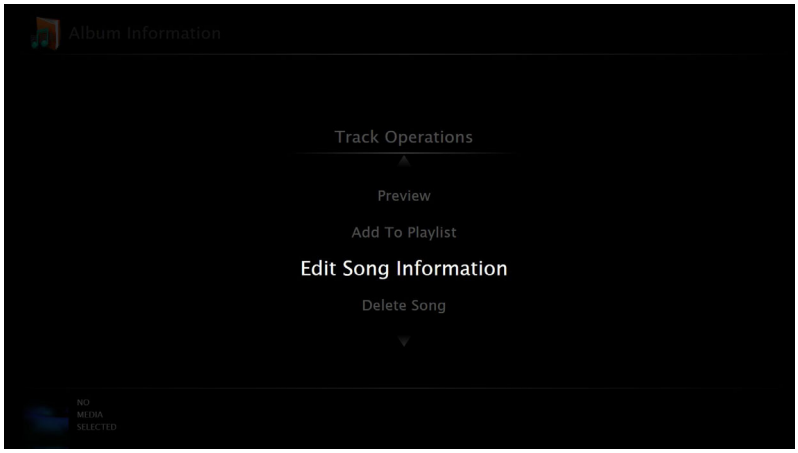
     c. To confirm the selection, use the arrow keys to move the cursor to **Yes** and press **Enter**. To cancel, use the arrow keys to move the cursor to **No** and press **Enter**.

6. If editing is complete, accept the displayed cover art by using the arrow keys to highlight **Done** and press **Enter**.

Track

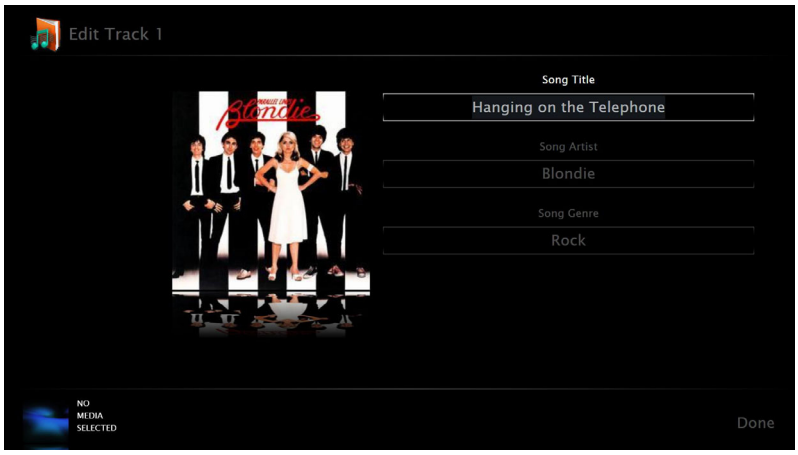
1. Select a track for editing. A list of options will be displayed.

   Track Operations

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

   Track Information

   To edit the track 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**.

3. Repeat for each track.

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 Troubleshooting

TROUBLE	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
Sound is not heard.	ADMS is not configured for desired audio output.	Verify that the devices that are plugged into the ADMS match the audio types defined on the Audio menu on the front panel (see page 19) or "Audio Setup" window (see page 26).
No Video.	ADMS is not configured to match desired video display.	Verify that the resolution on the front panel video menu (see page 20) matches a video resolution that is supported by your display device. Use the front panel to select *Automatic* mode which will try to re-detect the connected display device.
POWER button LED does not eliminate after pressing the button.	There is a separate power supply switch on the back panel.	Move the switch to the *On* position and then press the **POWER** button again.
Unable to download Amazon content.	One-click settings may be turned off or credit card on file is expired.	Using the ADMS' Internet browser, log in to Amazon.com using the same account as originally configured and confirm that one-click settings are enabled and that the credit card information on file is up to date.
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 website (www.crestron.com/manuals). This link will provide a list of product manuals arranged in alphabetical order by model number.

List of Related Reference Documents

DOCUMENT TITLE
Crestron e-Control Reference 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].

You can also log onto the online help section of the Crestron website (www.crestron.com/onlinehelp) to ask questions about Crestron products. First-time users will need to 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, 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 website 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' 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**

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