

Atlona Management System

AT-SW-AMS



User Manual

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Introduction

The Atlona Management System (AMS) is a powerful software resource for select Atlona IPcontrollable products in commercial, educational, government and residential environments. It integrates product configuration, management, and updates to reduce installation time and enable remote support. Comprehensive features include: automatic search and detection of Atlona products; device configuration in single or multiple sites; configuration backup, automatic or usertriggered firmware upgrades, and an intuitive graphical user interface. Initial products supported include the AT-UHD-CLSO and the UHD-SW5 Series, additional product series are planned. The AMS is based on a distributed architecture where multiple installed AV devices can be managed from a single server. Using the simple, web browser-based user interface, the operator can drilldown from a high-level network view to an individual device. The operator can choose to manage systems either locally (LAN) or from a remote location (WAN).

Requirements

Hardware Server: 2.66 GHz 4GB RAM 20 GB HDD Client: 2.66 GHz 2GB RAM 20 GB HDD Software Operating System: Windows 7 Windows 8.1 **Client Browser Requirements:** Internet Explorer 10+ Firefox Goggle Chrome 31+ Safari (Windows OS only)

Before You Start

- Uninstall any existing AMS installation using the uninstall file in the C:\AMS folder, then delete the C:\AMS folder after uninstallation.
- Verify the proper AMS license file is available.
- Disable the applications/windows services that occupy the ports 162 (usually SNMP trap service), 8080, 67, 69.

Note: AMS uses more ports than 162, 67, 69, and 8080, but these four must be free to start the server

- If the program is running slowly, turn off any antivirus program that may be running on the computer or declare localhost:8080 as a trusted source. Some antivirus programs and firewall settings may interfere with the server connection.
- Ensure that only one person is connected to each device at a time. Conflicts may arise if two people are saving changes to a device at the same time.



Installation

To install the Atlona Management System, download or transfer the AMS.exe to the server computer and run.



The program will prompt when the server license is required. Click the browse button and select the .DAT file from the server computer.





🐼 Atlona Manag	ement System Server Configuration
ΛM	AMS License Browse AMS License File
This Wizard will Click Next to pr	install AMS License file. Click Browse to select a valid AMS License file and oceed with installation.
License File:	C: \Users\shawnr\Documents\AMS\AMS Installation Versions\ Browse
🔲 Install as a	a Windows Service
Atlona Inc.Copyrig	ht @2015.All Rights Reserved,

Once the file is selected it will appear within the configuration window. Click next to continue.

🐼 Atlona Management System	em Setup			
AMS ¹	Choose Components Choose which features of Atlona M to install.	lanagement System you want		
Check the components you install. Click Next to continue	want to install and uncheck the comp e.	onents you don't want to		
Select components to install	: ✓ AMS ✓ Start Menu Shortcuts ✓ Desktop Shortcuts	Description Position your mouse over a component to see its description,		
Space required: 466. 1MB				
Atlona Inc.Copyright @2015.All Rights Reserved,				

A component selection screen will appear. Select what needs to be installed or set up.

Note: AMS is preselected and cannot be deselected during installation

Press next to continue installation



🐼 Atlona Management System Setup
Choose Install Location Choose the folder in which to install Atlona Management System.
Setup will install Atlona Management System in the following folder. To install in a different folder, click Browse and select another folder. Click Install to start the installation.
Destination Folder CRVAMS Browse
Space required: 466.1MB Space available: 163.7GB
Atlona Inc.Copyright @2015.All Rights Reserved.

AMS will auto select to be installed within c:/ drive. To change the destination for installation select browse.

Note: It is recommended AMS be installed on the fastest drive **e.g.** If there is an SSD and HDD, it is recommended to use the SSD for fastest communication

Once a destination is selected, click install.

🐼 Atlona Management Syst	em Setup	
	Installing Please wait while Atlona Management Syst	tem is being installed.
Extract: wildfly-patching-8.	1.0.Final.jar	
Show details		
Atlona Inc.Copyright @2015.A	l Rights Reserved	> Cancel



At the end of installation, the option to start the AMS server is available. Check the box to start the server, or uncheck the box to start the server at a later time, then select finish.

🐼 Atlona Management System Setup					
∧Ms™	Completing the Atlona Management System Setup Wizard				
	Atlona Management System has been installed on your computer.				
	Click Finish to close this wizard.				
	Start Server				
< <u>B</u> ack Finish Cancel					

If the start server box is selected, a new screen will appear.



The AMS will go through a checklist of server items and once all items have been verified, a success message will pop up and the server is started.

Note: This may take a few minutes



Logging In

- Determine the IP address of the server computer
- Type the IP address plus :8080 or localhost:8080 (if the client and server are on the same computer) into a compatible web browser (see picture below)

Eile Edit View Higtory Bookmarks Iools Help			_ 0 <mark>_ x</mark>
 	▼ → Q Search	↓ ☆ 自 ♥	^ ∢ ? <u></u> • 9 ≡

- Type in the username and password into the login screen
- Default username and password are: Username: admin

Password: admin123

	5
Connecting Technology	Copyright ©2015 Atlona Inc. All Rights Reserved.

• Upon logging in, a prompt to change the password will appear

Note: All passwords must contain one capital letter, one lowercase letter, one number, and one special character

• Write down the new username and password for future use

Jsername	: admin
Old Password	:
New Password	:
Confirm Password	:

• Once login is complete, devices (page 9), new users (page 20), and system configurations (page 22) can be set up.



Adding a Device

There are multiple ways to add devices to the AMS: Auto (Network - below) and Manual (Add - page 11) **Note:** Device names will show as product SKU and IP addresses when discovered through Network

Auto (recommended)

There are two ways to auto add a device: Start menu and Global

Start Menu

- Click the 'Start' button in the top left corner
- From the 'Start' menu, hover over 'Add Device', then 'Auto', and select 'Network'

AMS	×	the same of the same					lamara — D <mark>— X —</mark>
← → C 🗋 192.16	8.11.124 :8080						루☆ ≡
🚫 Start 👻				🦺 o 💋 o 😑	0 🚺 0 🏑 0 Sa	earch: 🦉 Welcom	e admin 🚦 🕜 🛛 Logout 🥘
Add Device	🗢 🤣 Auto	Discovery Settings	tvices				
💑 Site	🔶 🐹 Manual	Network	💼 Locate:				
iguration	۵						
2 🚯 Firmware	φ.						
Alert Logs	\$						
Velp	⇔ gout	290 II					
• Click	new 🗌] - A pop up sc	reen will appear (s	ee 3 pictures at b	ottom of pac	ae)	

	Start 👻							Search:		Welcome admin 🚦 😨	Logout 🕘
4	Discovery										🕳 🗗 🔀
ſ		🖁 🖬 🕑 💌 👷 🔛 I	8 E						Filter By: Network	▼ equals ▼	Q 🖉 🔭
	Network	Subnet Mask	Start IP	End IP	Discovery Status	Туре	Last Execution Time	. Next Execution Time	Admin Status	File	
											-

Global

🖉 AMS 🛛 🗙 🏹	4K/UHD HDMI Switcher wi 🗙 📃	
← → C 🗋 192.168.11.124:	8080	
🐼 Start 👻		
Domain View 💈	Device Details Map View	Availability Pending Devices
B 🖉 🚮 Add Device	Auto	
🖹 🕗 🚠 Site		. Device Name
	Manual	UHD-CLSO-601 - 192.168.11.10
🎽 Map View	er1	UHD-CLSO-601 - 192.168.11.119
UHD-5W-52 - 192.168.11.196	other1	UHD-CLSO-612 - 192.168.11.159

- Right click on 'Global' within the domain view
 - Hover over 'Add Device', then select 'Auto' A pop up screen will appear (see 3 pictures at bottom of page)
- There will be three options when adding through Auto: Entire Network, IP Range, and Import

📑 Add - Network Details 🛛 🛛 🕅	Add - Network Details	Add - Network Details
IP Version IPv4 V ® Entire Network O IP Range O Import	IP Version IPv4 Entire Network IP Range Import	IP Version IPv4
Entire Network Network Address 10, 0, 1, 0* Subnet Mask 255, 255, 0*	IP Range Start IP Address 10, 0, 1, 1* End IP Address 10, 0, 1, 254*	Timport File File Name Choose File No file chosen The supported file formatsxls and .xlsx View Sample File
Group Details	Group Details	Group Details
Group by Network Group Name Global	Group by Network Group Name Global	Group Name Global T
Recurrence Details	Recurrence Details	Recurrence Details
Recurrence Type Day T Every 1 Day(s)	Recurrence Type Day V Every 1 Day(s)	Recurrence Type Day T Every Day(s)
Recurrence Start 10/12/2015 07:28:09:538	Recurrence Start 10/09/2015 14:27:47:092	Recurrence Start 10/12/2015 07:28:09:538
Recurrence End	Recurrence End	Recurrence End
Forever	Forever	Forever
End after 1 occurrences	End after I occurrences	End after I occurrences
Run until 10/12/2015 07:28:09:5	Run until 10/09/2015 14:27:47:0	Run until 10/12/2015 07:28:09:5
Help E Save Cancel	🙆 Help 🕞 Save 🛞 Cancel	🕴 Help 🔚 Save 🖗 Cancel



Entire Network (recommended)

Add - Network Details					
IP Version IPv4 🔻 🖲 Entire Network 💿 IP Range 💿 Import					
Entire Network					
Network Address					
Subnet Mask					
Site Details					
Group by Network					
Site Name Global 🔻					
Recurrence Details					
Recurrence Type Day					
Every Day(s)					
Recurrence Start 12/26/2015 07:55:21:817					
Recurrence End					
Forever					
End after I occurrences					
Run until 12/26/2015 07:55:21:8					
Part Help Cancel					

- Select the bubble next to 'Entire Network' Note: Entire Network is the default option and will be auto selected everytime a new network screen is opened.
- Fill in the network IP address details for the devices **Note:** The devices must be on a network connected with AMS
- Fill in the network Subnet Mask
- Default site will be Global, but more sites can be added for additional options (see page 13)
- Recurrence allows the network to search for more devices on a regular basis. Default is daily.
- Click save and AMS will start device discovery

IP Range

- Select the bubble next to 'IP Range'
- Fill in the starting IP address details e.g. 192.168.1.0 Note: The devices must be on a network connected with AMS
- Fill in the ending IP address details e.g. 192.168.1.254 Note: This process may take several minutes, it is best to keep the IP ranges to small groups to avoid longer discovery times
- Default site will be Global, but more sites can be added for additional options (see page 13)
- Recurrence allows the network to search for more devices on a regular basis. Default is daily.
- Click save and AMS will start device discovery

Add - Network D	etails
IP Version IPv4	▼ O Entire Network
— IP Range ——	
Start IP Address	 , , , , *
End IP Address	
Site Details	
Site Name	Group by Network
Recurrence De	tails
Recurrence Type	Day
	Every 1 Day(s)
Recurrence Start	12/26/2015 07:55:21:817
Recurrence End	
F	prever
0 E	nd after 1 occurrences
0 R	un until 12/26/2015 07:55:21:8
🕜 Help	🕞 Save 🛛 🥝 Cancel

Import

Add - Network Details 🏼 🕅
IP Version IPv4 Entire Network IP Range Import
Import File File Name Choose File No file chosen * The supported file formats xls and .xlsx View Sample File
Site Details
Group by Network Site Name Global
Recurrence Details
Recurrence Type Day
Every 1 Day(s)
Recurrence Start 12/26/2015 07:55:21:817
Recurrence End
 Forever
End after 1 occurrences
Run until 12/26/2015 07:55:21:8
🕐 Help

- Select the bubble next to 'Import'
- Select the 'Choose File' button
- Select a .xls or .xlsx file from the AMS network computer Note: A sample file is viewable to display how the device import file should be set up
- Default site will be 'Global', but more sites can be added for additional options (see page 13)
- Recurrence allows the network to check the file for more devices on a regular basis. Default is daily.
- Click 'Save' and AMS will start device discovery



To view the discovery process, select the network and press

🚫 AMS	×	🚫 4K/UHD HDMI Switcher w 🗙	
$\ \ \leftarrow \ \ \Rightarrow \ \ C $	192.168.11.1	24:8080	
🐼 Start 👻	_		
Network			
	2 🛓 🗽 📅		
	Network	Subnet Mask	Start IP
192.168.11	.0	255 255 255 0	192.168.11.1
10.0.1.0		255.255.255.0	10.0.1.1

IP Address Ran	ge 10	.0.1.1 To 10.0.1.254		
Possible no. of t	Nodes	254		
Nodes Scanned		254		
Nodes success	fully discovered	16		
140003 3000033	idily discovered	-		
Nodes to be Sca	anned	0		
Network		10.0.1.0	¥	
10.0.1.53	I No Reoly	1 N/A	Nos átlans Product	
10.0.1.54	No Reply	NA	Non Ationa Product	
10.0.1.55	No Reply	N/A	Non Ationa Product	
10.0.1.58	No Reply	NA	Non Ationa Product	
10.0.1.57	Success	Success	Success	
10.0.1.58	No Reply	NA	Non Atlona Product	
10.0.1.59	No Reply	N/A	Non Ationa Product	
10.0.1.60	No Reply	N/A	Non Ationa Product	
10.0.1.61	No Reply	N/A	Non Ationa Product	
10.0.1.62	No Reply	N/A	Non Ationa Product	
10.0.1.63	No Reply	NA	Non Ationa Product	
10.0.1.64	No Reply	NA	Non Ationa Product	
10.0.1.65	No Reply	NA	Non Atlona Product	
10.0.1.00	No Reply	INVA	Non Ationa Product	
10.0.1.07	No Peek	Success N/A	Neg Atlant Product	
10.0.1.60	No Reply	NIA	Neg Atlance Product	
Device with IP Device with IP	Address 10.0.1.133 is Address 10.0.1.120 is Address 10.0.1.120 is Address 10.0.1.152 is Address 10.0.1.152 is Address 10.0.1.189 is Address 10.0.1.275 is Address 10.0.1.253 is uplated	not ICMP reachable not ICMP reachable		
IP search	_,,, _	Search		Stop

The progress window will display with a list of IPs it has searched through and give status for each IP.

The products will be added to the device list through each discovery process

Start 👻							Search:	🔍 🛛 Welcome a	dmin 💂 🕜 🛛 Logou	it 🕘
Domain View	3 0 Device Details	Map View Availability Pending De-	vices							
Global Global Global Global Global		@ & # @ @ # #	🛞 🔽 😢 🔳						AI V	<mark>,,,</mark>
🗄 🕗 PRO3-66M	Device Name	Group	Туре	IP Address	MAC Address	Firmware Version	Active Input	Status	Reachability	
😥 🥑 SW-52	10.0.1.58	SW-52	AT-UHD-SW-52	10.0.1.58	B8-98-B0-00-60-79	1.0.1	undefined	🥑 Managed	🥝 Reachable	-
	10.0.1.64	SW-52	AT-UHD-SW-52	10.0.1.64	B8-98-B0-00-60-7A	1.0.6	undefined	Ø Managed	Reachable	
	10.0.1.67	CLSO-612	AT-UHD-CLSO-612	10.0.1.67	B8-98-B0-00-44-30	1.0.60	undefined	Managed	Reachable	
	10.0.1.85	PRO3-66M	AT-UHD-PRO3-66M	10.0.1.85	B8:98:B0:03:0D:93	1.5.74	undefined	🥑 Managed	Reachable	
	10.0.1.94	CLSO-612	AT-UHD-CLSO-612	10.0.1.94	B8-98-B0-00-44-4F	1.0.60	undefined	Managed	Reachable	

Manual

There are two ways to manually add a device: Start menu and Global

Start Menu

- Click the start button in the top left corner
- From the start menu, hover over 'Add Device', then 'Manual', and select 'Add'

⇒ C [] 192.1	68.11.124	£8080							
						💶 o 🌽 o 😑 o 💶 o	🥑 0 Search:	🔍 Welc	ome admin 🚦 🕜 💦 👔
Add Device	۰ 🤞	Auto	🔉 ap View Availability Pending Devices						
Site	\$ 8	Manual		🚳 🕎 😂 🗉					Al
		Site	and the second	Туре	IP Address	MAC Address	Firmware Version	Status	Reachability
Configuration	~	other1	UHD-CLSO-601 - 192.168.11.10	AT-UHD-CLSO-601	192.168.11.10	B8-98-B0-00-48-FB	1.0.00	Managed	Reachable
Firmware	4	other1	UHD-CLSO-601 - 192.168.11.119	AT-UHD-CLSO-601	192.168.11.119	B8-98-B0-00-4A-D6	1.0.00	Managed	Reachable
		other1	UHD-CLSO-612 - 192.168.11.159	AT-UHD-CLSO-612	192.168.11.159	B8-98-B0-00-44-BA	1.0.60	Managed	Reachable
Alert Logs	Ŷ	other1	UHD-CLSO-612 - 192.168.11.160	AT-UHD-CLSO-612	192.168.11.160	B8-98-B0-00-44-BB	1.0.60	Managed	Reachable
Halo	~	other1	UHD-CLSO-612 - 192.168.11.95	AT-UHD-CLSO-612	192.168.11.95	B8-98-B0-00-44-7A	1.0.60	Managed	Reachable
Theap	*	other1	UHD-CLSO-612 - 192.168.11.96	AT-UHD-CLSO-612	192.168.11.96	B8-98-B0-00-44-7B	1.0.60	Managed	Reachable
🕘 Le	ogout	other1	UHD-CLSO-612 - 192.168.11.97	AT-UHD-CLSO-612	192.168.11.97	B8-98-B0-00-44-7C	1.0.60	Managed	Reachable
		other	UHD-PRO3-66M - 192.168.11.151	AT-UHD-PRO3-66M	192.168.11.151	B8-98-B0-03-0D-93	1.5.74	Managed	Reachable
		Peanuts	UHD-SW-52 - 192.168.11.192	AT-UHD-SW-52	192.168.11.192	B8-98+B0-00-62-35	1.3.1	Managed	Reachable

Global - Add device

🔗 AMS	× 🐼	4K/UHD HDN	/I Switcher wi 🗙 🦲 👘	08	in - D- 1
$\leftarrow \Rightarrow \mathbf{G}$	192.168.11.124:8	3080			
🚫 Start 👻		_		_	_
Domain View	2		vice Details Map View	Availability	Pending Devices
⊟· ⊘ Got-1	Add Device	۰ 🛐	Auto	1 🔅 🐑	s 🖻 💼 🔒
	Site		Manual		Device Name
- s 👔	Map View	er1		UHD-CLSO-6	01 - 192.168.11.119
- 🕗 UHD-	SW-52 - 192.168.11.196	other1		UHD-CLSO-6	12 - 192.168.11.159

- Right click on 'Global' within the domain view
- Hover over 'Add Device' and select 'Manual'

11



IP Address	seneral Details —					
Element Name Description	P Address		• • •	<u> </u>		
Description Protocol Details CL User Name Password Confirm Password Port 23 Timeout 00000 ms * 1 scation Details © Address © Location Suite State	Element Name					
CL view v	Description					
CL1 User Name root * Password * * Confirm Password * * Pot 23 * Timeout 10000 ms * No. of Retries 1 * State	Protocol Details -					
User Name root * Password * * Confirm Password * * Port 23 * Timeout 10000 ms * No. of Reties 1 *	CLI					
Password * Confirm Password * Port 23 Timeout 10000 No. of Retries 1	User Name		root			*
Contim Password ************************************	Password					*
Port 23 Timeout 10000 ms * No. of Retries 1 *	Confirm Password					*
Timeout 10000 ms * No. of Retries 1 * Location Details * * Street	Port		23			*
No. of Retries 1 * Location Details *	Timeout		10000		ms *	
Location Details	No. of Retries		1			*
Ocation Details						
Address Uccation Suite Street Street Street State	Location Details -					
Sueet Steet	Address U Loca	tion		Chront		
Slate	oune Day			State		
2ountru 7/D	Country			710		
	Jounday			21P		
atrude 33.5/8014/46144 Longitude -101.865234375	atitude	33.578014746144		Longitude	-101.865234375	

- In the 'Add Device' window, provide the IP address of the Atlona product to be added (e.g. if adding a UHD-SW-52 with the IP address 10.0.1.64, type 10.0.1.64 into the address field)
- Click the 'Save' button

Please wait one or two minutes for the device to appear in the global devices and display the data.

Note: If the device log in information is changed in device control or device type, the log in information for the device must be updated within device details

🐼 Start 👻							Search:	Welcome adm	nin 🗧 🕜 🛛 Logout 🕘
Domain View 🕄	Device Details Map View	Availability Pending Devices							
Global Global Global CL50-612		1 13 0 0 e l 2 🔇							AI V 🗶 💃
B 🕑 PRO3-66M	▲ Device Name	Group	Туре	IP Address	MAC Address	Firmware Version	Active Input	Status	Reachability
🕀 🕑 SW-52	10.0.1.58	SW-52	AT-UHD-SW-52	10.0.1.58	B8-98-B0-00-60-79	1.0.1	undefined	Managed	🔮 Reachable 🔺
<	10.0.1.64	SW-52	AT-UHD-SW-52	10.0.1.64	B8-98-B0-00-60-7A	1.0.6	undefined	Managed	Reachable
	10.0.1.67	CLSO-612	AT-UHD-CLSO-612	10.0.1.67	B8-98-B0-00-44-30	1.0.60	undefined	Managed	🔮 Reachable
	10.0.1.85	PRO3-66M	AT-UHD-PRO3-66M	10.0.1.85	B8:98:B0:03:0D:93	1.5.74	undefined	Managed	🔮 Reachable
	10.0.1.94	CLSO-612	AT-UHD-CLSO-612	10.0.1.94	B8-98-B0-00-44-4F	1.0.60	undefined	Managed	Reachable



Creating a Site

There are two ways to add a site: Start menu and Global

Start Menu

- Click the 'Start' button in the top left corner
- From the start menu, hover over 'Site', then select 'Add'



Global

🚫 AMS	×	-	-	• R
← → C 🗋	192.168.11.124:808	30		• -
🐼 Start 👻		_	_	
Domain View	2	Device	Details Map View	Ava
En 💙 Global	Add Device	¢ 🧕 🤅	f: 🕞 🖗 🖏 🖫	-E
	Site	•	Add	
	Map View	®	Edit	
Hadd Site	_	_	_	×
General Details	s			
Site Name			*	
Description				
Site Details				
E. Foo				
Map Location I	Details			
Dynamic Pan	O Address O Location			_
Suite		Street		
Country		State 7IP		_
Zoom Level	•	216		
Latitude 33.	578014746144	Longitude	-101.865234375	
1 Help			Gave 🕜 Car	ncel

- Right click on 'Global' within the domain view
- Hover over 'Site' then select 'Add'

- Fill in a site name that will assist in remembering the products at that site
- Fill in a description that will help describe what a site is for **e.g.** Peanut's waiting room
- If the IPs of all devices for the site are known, select them to auto move them to that site when created
- Details such as address and etc can be added to remember where everything is located
- Press the save button to create the site



Note: Once a site is created, devices can be dragged and dropped into a site.



Map View

Map view allows the devices to be placed within a representation of the site they are in, for better visualization of each worksite

Map view can be changed from the global and the site drop down menus

🔗 AMS 🗙 📉	the law lines has	Box Simple Online	🔉 Products < — WordPi 🗙 🐼 Atloi
← → C 🗋 192.168.11.124:8	:080	¥ 2 C A 192.168.1	1.124:8080
🐼 Start 👻		🔢 Apps 🔗 Atlona Technol	🔗 4K HDMI Over 🜀 Google
Domain View	Device Details Map View	🐼 Start 👻	
Add Device	💊 🖻 📑 🕞 🚳 🔯	Domain View	Device Details Map View
🕂 🕐 💑 Site	\$	⊟- 🥑 Global	
🕂 😋 👔 Map View		🗈 🔮 oth 📠 Add Device	\$
SW-52		🖹 🕗 Pea 💑 Site	\$
O UHD-5W-52 - 192.168.11.192 O UHD-5W-52 - 192.168.11.194 O UHD-5W-52 - 192.168.11.194 O UHD-5W-52 - 192.168.11.195 O UHD-5W-52 - 192.168.11.196 Br Ø SW-52ED		Map View	UHD-PR03-66

Note: The settings selected for global and site are separate. **e.g.** An office building is selected for global and a conference room for site

Once selected, a pop up will appear

• Two options are available: Remote and Local

👔 Change Map View 🛛 🕅	Change Map View	X
Select Logical view from Remote Local Name Boardroom_Layout Reset NEs I Campus default default default_orange Global_building McCarter_Layout Reset NEs I Carter_Layout Reset NEs I Carter_Layout Reset NEs I Carter_Layout Carte	Select Logical view from Remote Local Upload View Choose File No file chosen The supported file formats are .gif, .jpg, .jpeg and .png Reset NEs Location Help Cancel	

- Remote allows an image already added or default to the AMS software to be selected
- Local allows an image off the network computer to be selected

- Click 'Choose File' and search the local computer for .gif, .jpg, .jpeg, or .png files



Device Control

Each device can be configured or controlled through a webGUI interface



Each GUI interface has the ability to control, configure, or see status of the individual device.

Note: If the device log in information is changed the device log in information must be edited within device settings The webGUI can be viewed by clicking on a device within the global drop down or map view



Within map view, there are two ways to view the webGUI device control screen. Double click (left click) on any product or right click on a device, hover over 'Configuration' and select 'View'.



Copy Configuration

Each product has specific settings that can be duplicated to the same type of product

- e.g. If there are multiple CLSO-612s within a system. The settings can be set on one device and applied to the rest of the CLSO-612s
- Right click one of the products' IP address from the global list, device details, or map view
- Hover over 'Configuration', then 'Copy To', and select 'Device IP' or 'MAC Address'



For 'MAC Address', simply type in the device information and click save. This will copy the current configuration over to the selected device.

For 'Device IP' a pop up will appear to allow the selection of multiple devices (if needed)

- Select the IPs to configure and press the >>> button
- Once the devices appear in the right box of the copy config to window, press save





The process will run, showing a new window with a progress wheel Once complete, a success message will appear. Press OK to confirm





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Device Default Settings

To set defaults for any new devices, click on the 'Start' menu, hover over 'Configuration', then 'Device', and select 'Default Settings'

Add Device	¢	8	4 Devke D	otalis M	ap View	Availability	Pending D
💑 Site	¢			: 🕞 🖗		C 0 0	s 🗉
🞯 Configuration	¢	20	User	¢			
2 👔 Firmware	۰		Device	¢	£0	Default Setting	35
Alert Logs	٥	£	AMS	Φ		Resync	
🔰 🕜 Help	¢.				_		

- To make set up easier, the ability to create default settings for like devices is available
- Select a device from the left box



- Select 'Use During Discovery'. This ensures the product configuration is used when any new device of the same type is added
- Set the default settings for the selected type of device (e.g. UHD-SW-52)
- I/O settings, EDID, and many other device settings can be set for Atlona devices.

Device Default Settings	_	_	_	_	_	×
R2* Device Default Settings AT-UHD-SW-52 AT-UHD-SR0-612 AT-UHD-R03-66M AT-UHD-SW-52ED AT-UHD-CLSO-601 AT-UHD-SR0-66M	Use During Discovery 🗹 Summary Network Setup Settings Config EDID Audio	Model Software Revision OPS Revision On-Time(h-m) Active Input Video Format Color Space Input Sampling Rate	Syster n Video Audic	n Info. Info. Signal Type Aspect Color Depth Info. Audio Format Channels	(@Import) (Export
• Help					E Save	Close

Note: Static IPs (Network Setup) cannot be set through this configuration

Note: If the device log in information is changed, the log in information for the device must be updated within device settings



Firmware

After initial device discovery, anytime a user logs in to AMS it will automatically check for firmware updates on devices and AMS.

To manually check a device for firmware upgrades:

• Click the 'Start' menu, hover over 'Firmware', then select 'Check For Updates'



Model Number	AMS Version	Latest Version	Details	Firmware URL	
AT-UHD-PRO3-66	No devices	1.5.74	None.	Download	^
AT-UHD-SW-52	1.3.1	1.3.1	None.	Up to date	
AT-UHD-SW-52ED	1.0.00	1.1.0	Partial CEC, impro	Download	
					۰.
4					

A new window will appear with a list of all connected device types. Any device requiring new firmware will have a 'Download' link under 'Firmware URL'.

• Click the 'Download' link and the firmware will automatically save to the local computer

Once a firmware is downloaded, it must be uploaded to the server.

• Click the 'Start' menu, hover over 'Firmware', then 'Device', and select 'Upload'

A new screen (Device Firmware Upload) will appear.

• Select the 'New' button 📄

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Jan-04-2016

Upload O Existing

Choose File UHDS....BIN *

Compatible Element Type AT-UHD-SW-52

AMS	×	
← → C 🗋 192.1	68.11.1	24 :8080
🚫 Start 👻		
🛃 Add Device	۵	Device Details Map View Availability Pending Device
💑 Site	Φ	
i Configuration	۵	
2 🚯 Firmware	Ø	Check For Updates
Alert Logs	¢	🗊 Device 🔷 🛠 Upload
Pelp	۵	🖪 AMS 🔶 📻 Update —
ى ن	ogout	€ ₽ ₽ Ø Foo
		☆ =
	V 0	Search: Welcome admin 🚪 😗 Logout 🥹

AMS	× (& +/	JOHD HDML SWITCHERW X	and a set of the set				
← ⇒ C	192.168.11.124:80	80					☆ ≡
🔉 Start 👻					🥊 14 🌌 0 😑 0 🕕 0 💙 0	Search:	🔍 Welcome admin 🚦 😗 Logout 🥹
	Device Firmware Upload						💷 🕫 🔀
	1 🗟 🕞 🗊 🛛 🎗						ALL 🔻 🏆 🛒
\smile	Release Name	Compatible Element Type	~ Release Date	Firmware Version	Checksum	Firmware Status	Remarks
SW52ED-1.1		AT-UHD-SW-52ED	Dec-29-2015	1.1	37d7712ab4d2db83de20241c854d8da5	Active - Userdefined	*

.

1

🔒 Save 🛛 🥝 Cancel

* *

•

Fill in the information for the firmware update and set a date for when the update will occur.

- Select 'Choose File' and select the previously downloaded firmware from the local computer.
- Press 'Save'

The firmware will appear within the 'Device Firmware Upload' window.

Release Name

Release Date

File Name Remarks

Help

Firmware Version

Upload/Use existing



Device Update

• Select 'Update' within the start menu or right click on the 'Firmware Update' in the device menu

AMS	×		-	-	10 M MR - 1	🚊 🕢 Peanuts			
← → C 🗋 192.	168.11.	124 :8	080			- 🕗 UHD-SW-52 - 192	.168.11	.194	
🚫 Start 👻	-			_		UHD-SW-52 - 19	2.168.	11.193	
Add Device	Φ	2	Device Details M	ap View	Availability Pending Device			Device	Φ
Site	Φ			, rol i		🥑 UHD-SW-52 - 19	-		
Onfiguration	¢			_		🥑 UHD-SW-52 - 19	.	Configuration	₽
Firmware	¢	D	Check For Updates					Telnet	
Alert Logs	Φ		Device \diamond	2	Upload				
Help	Φ	B	AMS 💠		Update		<u>^</u>	Alert Logs	
	Logout							Firmware Update	

• Fill out the upgrade windows and select the date and time when the upgrade will occur. **Note:** Select 'Run Now' and press 'Save' to have the update go through immediately **Note:** When the update occurs, the product will power cycle. If the IP is set the DHCP on, it may receive a new IP and device discovery will need to be run again.

Firmware Update - New	Firmware Upgrade - New
Firmware Update Details	Eirmware Unorade Details
Schedule Name 123 *	
Firmware Rélease 1 *	Are you sure you want to schedule software upgrade for the selected device(s)?
Run Now	🖉 Ok 🞯 Cancel
Schedule Time 01/04/2016 09:26:19:980	
Proceed On Backup Failure	Proceed On Backup Failure
Image: Weight of the second	Help Save O Cancel
(i) Message	e scheduled successfully.

🕑 Ok



AMS Update

When the firmware check was done, it should have displayed a 'Download' link under the 'Firmware URL' section for AMS. Once that is selected and the file is downloaded to the local computer, the service pack is ready to be installed.

Select 'Update' in the 'Start' menu.

Choose File No file chosen

1Install 🔞 Close

Only *.zip files are supported



- Use the 'Choose File' button to browse the local computer and select the AMS service pack
- Once the file is selected, click install
- **Note:** If a service pack has unforeseen/undesired features/issues, use the 'Rollback' function within the 'Start' menu to select a previous version of AMS

User Configuration

Service Pack Installer

Choose the Service Pack-

File :

🕜 Help

The AMS allows for user to be added, passwords to be changed, user usage logs to be seen, and preferences to be set.

🚫 AMS

🚫 AMS	×		the second second	-	• 10 H	- 44
← → C 🗋 192.1	68.11.	124:8	3080			
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💑 Site	¢			🚡 🛛 🧔	II 🖗 🏟	
G Configuration	¢	20	User	۵ 🙎	Management	
Firmware	¢		Device	÷ 🕰	Password	
Alert Logs	₽	<u>.</u>	AMS	۵	Logs	
Help	¢				Preferences	_
S 🕘 ı	.ogout		✓ F	₽ ₽ ₽ ∞		

User Management

• Use the 'Start' menu to select 'Management'. This will open a new screen.

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← → C 🗋 192.168.11.	124:8080						☆ =
🔗 Start 👻	_		_	🚺 14 💋 0 😑 0 🚯 0 🏈	0 Search:	C Welcome admin	🔒 🕜 🛛 Logout 😈
👻 🔒 User Management							
	🌡 💩 🛛 😂 🖿 🗮				F	ilter By: User Name 🔻 equals	•
. User Name	Assigned Group(s)	Description	User Status	E-Mail Address	Updated Time	Account	Expiry
admin	Administrators	Administrative User	Active		Dec-29-2015 10:54:21:042	N/A	A
• Select th	ne 'New' bu	utton 🗋					

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User Name		*
Password		*
Confirm Password		*
Idle Timeout	15	Minute(s)
Maximum Password Age		Day(s)
Maximum Account Age		Day(s)
Description		
Status	Active	•
Supervisor	None	Ŧ
Onerstein		
Operators Administrators	* *	÷
Operators Administrators Personal Information	~ ~	*
Operators Administrators Personal Information Pager	* >> <<	* *
Operators Administrators Personal Information Pager E-Mail	× ×	×
Operators Administrators Personal Information Pager E-Mail Mobile	× × ×	×

• Fill in the user information for any new user. Ensure that every * required field is filled out

Note: If no user email or mail server (page 22) is set, a user will not be able to reset a lost password without the assistance of the admin userNote: If the admin password is lost and the mail server (page 22) is not set, the server must be reinstalled to set admin password back to default

← → C 🗋 192.168.11.124:8080

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🕖 Logout

🕹 User

Device

AMS

User Password

To reset the password of the current user:

- Select 'Password' from within the 'Start' menu
- Fill out the new information and press 'Apply'



Logs & Preferences



To view logs for user activity:

🚫 AMS

🚫 Start 👻

🚮 Add Device

👔 Firmware

\Lambda Alert Logs

💑 Site

🧼 c

- Select 'Logs' from within the 'Start' menu
- To set user preferences (such as home screen):
- Select 'Preferences' from within the 'Start' menu

Device Details

Management

Password

Preferences

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C Logs

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AMS Configuration

AMS protocols, mail server, and back up & restore settings can be set in the 'Start' menu

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← → C 🗋 192.1	← → C □ 192.168.11.124:8080					
Start 🚽			_	_	_	
🛃 Add Device	Φ	2	Device Details	Map V	iew Availability	Pending De
💑 Site	¢			} 🤿 [) 🛱 🌾 🤅	8
Onfiguration	¢	20	User	Φ		
Firmware	¢		Device	Φ		
Alert Logs	Φ	<u>.</u>	AM5	۵	Protocol Set	tings
Help	Φ			14	Mail Server	
Cogout			⊘ F	× 1	💈 Backup & Re	store

Protocol Settings

default Name default *
Username root *
Password *
Confirm Password *
Port 23 *
Timeout 10000 ms *
No. of Retries 1 *
Close

• Select 'Protocol Settings' from the 'Start' menu

Create username and login information for device control

- e.g. If log in for a device is username: Peanut and password: Butter!, then these must be added for log in to access the device webGUI
- **Note:** Atlona devices have the default username: root and password: Atlona. AMS has these user settings by default, which cannot be removed.

Mail Server

For password recovery only:

- Select 'Mail Server' from within the 'Start' menu
- Fill out the information with the current email configuration.
- **Note:** This information will be provided by the admin's current email provider
- **Note:** If being used by multiple users it is bets to have an admin create an email address for AMS
 - **e.g.** AMS@companyname.com This will display to any user that resets their password

Wail Server Primary SMTP Host Name Secondary SMTP Host Name SMTP Port 25 SMTP User SMTP Password Confirm SMTP Password Sender Name Sender Name Sender Mail ID Image: Help Image: Save Image: Cancel

Backup & Restore

• Select 'Backup & Restore' from the 'Start' menu. A new window will open

AMS × 🐼 4K/UHD HDMI Swit	tcher w X			ALC: NO. OF A	Tamara 🔲 🖬 🕰
← → C 🗋 192.168.11.124:8080					¶☆ ≡
Start -			🦺 o 🌽 o 😑 o	🕕 0 🌏 0 Search:	🔍 Welcome admin 🚦 🛛 Logout ⊍
Database Backup and Restore					- ® 🔀
					ALL V T
Filename	File Relative Path	File Server	Туре	~ Time	Status
					^
	_				

Select the 'New' button



📑 User Triggered Database Backup 🛛 🔀					
	*		Peanuts	Backup Files Prefix Name	
el	🙆 Cancel	Save		🔞 Help	
	🙆 Canc	Save		🕡 Help	

Each back up can be individually named to help remember the settings that backup had

• Type in the backup's name and press 'Save'

? Confi	Confirm					
2	Database backup may take several minutes to complete. Do you wish to continue? Ok @ Cancel					

Once the backup is created, it can be used to rollback configurations

😫 Scheduled Data	base Backup		×				
File Details							
Backup Files Pr	efix Name	Database_Backup	*				
Scheduler De	tails						
Recurrence	e	Due every 1 Hour(s) effective 12/31/	2015 12:				
Last Exec	ution Time	N/A					
Next Exe	ution Time	N/A					
Purge bac	kup files retaining last	10 backups	10 backups				
Last Exec	ution Time	N/A					
Next Exe	ution Time	N/A					
🕡 Help 👘 Save 🤗 Cancel							
😫 Scheduled Data	ibase Backup		×				
-File Detai	Recurrence Details						
Backup File							
	Recurrence	Type Hour V					
Scheduler	Every II	Hour(s)					
Recur	-						
Last E	Recurrence	End					
Next	Eore						
	C Fod	after 0 Occurrence(s)					
- Fuige	Run	until 01/01/2016 06:37:45:350					
Last		Reschedule 🛛 🕅 Clos	se				
Next		Concession and Constant					

Backups can be scheduled for future dates as well, to ensure current settings are available if any unwanted changes or errors appear within AMS.

Note: Recurrence has multiple settings, click the '...' button to create the times and duration for scheduled backups

• Press save once the backup schedule has been set up to the user's preferences.

