

## Release Notes



**IMPORTANT:** Before updating, be sure the AT-UHD-SW-510W is running at least version 2.0.0. Firmware 2.0.0 is included as part of the firmware download, along with instructions on how to update it.



**IMPORTANT:** the firmware update cycle can take up to 10 minutes and the AT-UHD-SW-510W may reboot twice during update process.

### Public Releases

Version 2.9.8	
Features	<ul style="list-style-type: none"> <li>Introduced API support for USB VBUS control.</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>Fixed an issue where the front panel buttons remained functional even when locked by the Administrator.</li> <li>Resolved compatibility issues with Samsung Galaxy Tab 6 Lite.</li> </ul>
Known Issues	<ul style="list-style-type: none"> <li>Pixel 8 devices running Android 14 may experience connection issues with Google Cast.</li> <li>Audio fails to play when casting from Chromium-based web browsers.</li> </ul>

### Previous Releases

Version 2.9.7	
Features	<ul style="list-style-type: none"> <li>None</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>Resolved an issue whereby the analog input would not route properly while in matrix mode.</li> <li>Resolved an issue whereby the lock front panel feature ignored and the user could inadvertently shutdown the device.</li> <li>Resolved compatibility issues with Samsung Galaxy Tab 6 Lite.</li> </ul>
Known Issues	<ul style="list-style-type: none"> <li>None.</li> </ul>

Version 2.9.6	
Features	<ul style="list-style-type: none"> <li>None</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>Resolved a RS-232 configuration issue whereby the local RS-232 could be set to the incorrect baud rate.</li> <li>Moved the RS-232 configuration to a dedicated page on the Web UI.</li> </ul>
Known Issues	<ul style="list-style-type: none"> <li>None.</li> </ul>

Version 2.9.4	
Features	<ul style="list-style-type: none"> <li>Added support for AT-OCS-900N.</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>Resolved an issue where the local RS-232 baud rate was not set correctly.</li> <li>Resolved an issue where the Welcome Screen contained a purple tint.</li> <li>Resolved an issue where after exiting maintenance mode, the display state could sometimes be out of sync.</li> </ul>
Known Issues	<ul style="list-style-type: none"> <li>None.</li> </ul>

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### Version 2.9.3

Features	<ul style="list-style-type: none"> <li>Added the ability to select a Fallback input when in Matrix Mode w/ Static Route.</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>Improved interoperability with the AT-OME-SR21.</li> <li>Resolved an issue where the OSD would display text when the unit was shutdown.</li> <li>API command <code>Display:Minimal:Set 0</code> will now mute the video output.</li> </ul>
Known Issues	<ul style="list-style-type: none"> <li>Under rare circumstances, from a maintenance mode reboot, a color space issue may appear on the BYOD input. This may be resolved by switching the input to either USB-C or DisplayPort and then back again.</li> </ul>

### Version 2.9.2

Features	<ul style="list-style-type: none"> <li>Added HDBaseT Version to the Info and Status pages of the web GUI.</li> <li>Confirmed compatibility with the AT-USB-EX100-KIT when used to extend the BYOD antenna(s).</li> <li>Trigger I/O feedback is now automatically published in the API over the RS-232 / IP stream.</li> <li>API command <code>Input:Set Y</code> will now work when in both Matrix Mode and Matrix Mode with Static Route.</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>Issue resolved regarding setting the stop bit on RS-232.</li> <li>Resolved an issue where API input-change commands were being ignored when the unit is in Matrix Mode with Static Route.</li> <li>Resolved incorrect LED indication on the front panel when the unit is in Matrix Mode with Static Route.</li> <li>Security update: Removed open SMB port when not in use.</li> <li>Resolved an issue where the <code>CEC:Trig</code> command would accept any value.</li> <li>Resolved an issue where HDBaseT Epson projectors would fail to show an image when connected directly to the AT-UHD-SW-510W.</li> </ul>

### Version 2.9.1

Features	<ul style="list-style-type: none"> <li>Added API command <code>Input:Set/Get</code>.</li> <li>Added API command <code>SetVol +/-/sta</code>.</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>The system will now recall previous A/V routing, while in Matrix Mode, after a reboot.</li> </ul>

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### Version 2.9.0

Features	<ul style="list-style-type: none"> <li>• Fallback to A/V Mute features added for conference systems.</li> <li>• Updated and optimized API commands for volume control and A/V switching.</li> <li>• Minor improvements to wireless stream performance.</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>• Incorrect messaging was being displayed on the Network page of the WebUI when entering an incorrect IP address.</li> <li>• Resolved an issue where prompt PINs would not halt the auto power timer.</li> <li>• Resolved an issue where the volume level was being set to 0 dB after a shutdown.</li> <li>• Resolved an issue where the DNS field(s) in the Network page of the WebUI was not populating.</li> <li>• Resolved an issue where Telnet data was being presented prior to proper authentication.</li> <li>• Resolved an issue where Telnet would accept any username as valid.</li> <li>• Resolved issue where HDCP settings were not retained after reboot.</li> <li>• Resolved issue where, in certain cases, the DisplayPort was not working with the auto switching functionality of the system.</li> <li>• Fixed an issue where, in rare occurrences, the PIN would flash on the OSD.</li> <li>• Resolved an issue where the USB peripherals would be powered down, unintentionally, while an active USB host is present.</li> <li>• Resolved an issue where the USB peripherals would not power-on when a new USB host was connected.</li> <li>• Resolved an issue where the RS-232 baud rate was being reset internally when connected to the AT-OME-EX-RX, after a reboot, requiring users to reconfigure.</li> </ul>
Known Bugs	<ul style="list-style-type: none"> <li>• Bumping quickly from Miracast sessions may cause the Windows Taskbar to freeze. This is a known issue with Miracast on Windows machines and is not directly related to the AT-UHD-SW-510W.</li> <li>• On rare occasions, CEC may not properly turn off certain LG displays.</li> <li>• ASRock ATX motherboard (ASRock Z390M-ITX/ac Mini ITX) USB-C outputs are not able to output video through the system.</li> </ul>

### Version 2.8.4

Features	<ul style="list-style-type: none"> <li>• Added simplified volume control API command: SetVol X where X = +/-/level/sta.</li> <li>• Bundled MCU and Master firmware - upgrading to 2.8.4 automatically updates MCU to 1.1.32.</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>• Resolved DNS resolution issue when clients are connected to the SSID of the AT-UHD-SW-510W.</li> <li>• Resolved an issue which resulted in the Display tab to either “crash” or take an extended period of time to load.</li> <li>• Resolved an issue where the Ethernet interface would display DNS server information even when the interface is disconnected.</li> <li>• Resolved an issue where the [Show AP Credentials] option would be re-enabled. This occurred when updating from 2.5.0 to 2.8.3-1.</li> <li>• Resolved an issue that set the default Firewall Mode to Block Private Network.</li> </ul>
Known Bugs	<ul style="list-style-type: none"> <li>• During the firmware update (if the unit has been idle from an extended period of time), a “Please Reboot Me” message is displayed on the output. To continue with the firmware upgrade, it is necessary to power cycle the unit.</li> <li>• Quickly auto switching inputs can cause the switching functionality to stop when set to Matrix Mode with Static Route mode.</li> </ul>

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### Version 2.8.3-1

Features	<ul style="list-style-type: none"> <li>Improved firmware update reliability. Updating the firmware no longer requires the unit to be physically rebooted.</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>Resolved an issue where switching between analog and digital audio inputs may cause “crackling” in the analog audio output.</li> </ul>
Known Bugs	<ul style="list-style-type: none"> <li>Updating to firmware version 2.8.3, from version 2.5.0 and below, will cause the “Show Password on OSD” to become enabled.</li> </ul>

### Version 2.8.2

Bug Fixes	<ul style="list-style-type: none"> <li>Fixed a critical issue which was introduced by 2.8.1 with microprocessor getting into deadlock state and system will required a reboot.</li> </ul>
Known Bugs	<ul style="list-style-type: none"> <li>None</li> </ul>

### Version 2.8.1

Features	<ul style="list-style-type: none"> <li>Moved OSD opt-in feature to Networking menu.</li> <li>Redesigned the Display control menu to enhance usability. NOTE: After the firmware update, go to the Display menu and make sure all previous settings are accurate.</li> <li>Added a section under the System menu to set the local time. The system time must be set in order to use Maintenance Mode and logs.</li> <li>Added Maintenance Mode feature under the Administration &gt; Advanced menu. When enabled, the AT-UHD-SW-510W will restart all of its processes at 3:30am every day.</li> <li>Added Status page to display information about the current system state.</li> <li>Added Casting Device Name display option, under the Administration &gt; Advanced menu. Enabling this feature displays the name of the casting device on the OSD.</li> <li>Splash screen message improvements; increased the speed at which the OSD is displayed.</li> <li>Added an MCU update as part of the normal firmware update procedure. This update will take approximately 8 to 10 minutes to complete.</li> <li>Redesigned the Networking page to display both Ethernet and Wireless configuration in one section.</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>Fixed an issue where the OSD displayed a test pattern.</li> <li>Fixed an issue with incorrect I/O selection in Matrix mode and Matrix Mode w/static route, after the AT-UHD-SW-510W is rebooted.</li> <li>Matrix mode w/static route mode no longer switches to Matrix Mode after the AT-UHD-SW-510W is rebooted.</li> <li>Fixed an issue where the OSD would showing “Loading” after the AT-UHD-SW-510W was powered on for more than a couple of days.</li> </ul>

### Version 2.7.0-1

Features	<ul style="list-style-type: none"> <li>Access Point mode is now enabled by default. NOTE: Upgrading to 2.7.0-1 will not immediately overwrite existing network settings on the AT-UHD-SW-510W. To enable Access Point mode by default, update the unit with the 2.7.0-1 firmware, then perform a factory reset. Refer to the User Manual for more information.</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>None</li> </ul>

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### Version 2.7.0

Features	<ul style="list-style-type: none"> <li>Improved support of Miracast over Infrastructure (Windows release 18362).</li> <li>Improved support for AirPlay® in iOS 13 and Mac OS Catalina.</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>Fixed an issue where AirPlay would not work reliably with Mac OS X El Capitan.</li> <li>Fixed an issue where the wireless connection would sometimes “crash”, when bumping. This occurred when using Miracast to bump another Miracast or AirPlay cast.</li> <li>Fixed an issue with certain WiFi cards, which would not be able to connect to the AP when set to 5 GHz.</li> <li>DHCP IP addresses no longer keep changing if the lease time on a DHCP server was set to less than 1 hour.</li> <li>Volume symbols no longer appear on splash screen when casting using AirPlay.</li> <li>Fixed an issue with the PIN code expiration period extending beyond what the protocol allowed.</li> <li>Fixed an issue where the “Please reboot me code” message would be displayed, but would not disappear if the system was rebooted.</li> <li>Fixed an issue with Display Control, where the power-off timer would not start if the system was in the ON state, once the power event took place.</li> <li>Fixed an issue with the Trigger not executing correct display control logic.</li> </ul>

### Version 2.5.1

Features	<ul style="list-style-type: none"> <li>None</li> </ul>
Bug Fixes	<p><b>Master Firmware 2.5.1</b></p> <ul style="list-style-type: none"> <li>The SW-510W will now correctly pull up the Velocity database when setting up RS-232 / IP display control within the webGUI.</li> </ul> <p><b>MCU Firmware 1.1.17 (optional update)</b></p> <ul style="list-style-type: none"> <li>AVMute API response now functions correctly.</li> <li>Fixed a bug where Matrix switching mode would not always route a single source to both displays.</li> <li>Fixed a compatibility issue with MacOS Mojave (10.14.6) where 1920x1200 output resolutions from HDMI and USB-C ports would result in color degradation.</li> </ul>

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### Version 2.5.0

Features	<b>Master Firmware 2.5.0</b> <ul style="list-style-type: none"> <li>• Hostnames can now begin with numerical characters.</li> <li>• MCU update tab has been moved to the Advanced tab.</li> <li>• Improved Miracast over Infrastructure and AirPlay™ quality.</li> <li>• Added the ability to control antenna power levels to expand or reduce the range of Access Points.</li> <li>• Added display power-off notification message to the OSD, at 5 minutes and 2 minutes, if display power-off is enabled.</li> <li>• Added CPU and memory utilization to the Event Viewer.</li> <li>• Added improved Access Point throughput support.</li> <li>• Added QoS support to Access Point to prioritize casting packets (Miracast only).</li> <li>• <b>Beta:</b> Added support for URL Casting (iOS iPhone and iPad only).</li> <li>• <b>Beta:</b> Integrated Calendar with Velocity™.</li> </ul>
Bug Fixes	<b>Master Firmware 2.5.0</b> <ul style="list-style-type: none"> <li>• Front panel cursor buttons now function correctly.</li> <li>• Fixed an issue where Matrix Mode did not function correctly after the AT-UHD-SW-510W was power-cycled.</li> <li>• Resolved some issues related to WiFi Fence mode.</li> <li>• Maintenance mode now properly handles the system state accurately.</li> <li>• Fixed an issue where the Display:Minimal:Set 1 API command would always switch the audio from analog to digital.</li> <li>• Fixed an issue where terminal message would sometimes appear on the Splash Screen after performing a system reboot.</li> <li>• Fixed an issue where display control logic would take up to 10 seconds before CEC or RS-232 commands would be transmitted to the display.</li> <li>• The Display:Minimal:Set command now properly acknowledges cool-down and warm-up timers.</li> </ul> <b>MCU Firmware 1.1.17 (optional update)</b> <ul style="list-style-type: none"> <li>• AVMute API response now functions correctly.</li> <li>• Fixed a bug where Matrix switching mode would not always route a single source to both displays.</li> <li>• Fixed a compatibility issue with MacOS Mojave (10.14.6) where 1920x1200 output resolutions from HDMI and USB-C ports would result in color degradation.</li> </ul>

### Version 2.4.0.1

Bug Fixes	<b>MCU Firmware 1.1.11 (optional update)</b> <ul style="list-style-type: none"> <li>• Fixed a communication issue between the Master and Slave processor, which was not always reliable when performing a “hard” power cycle.</li> </ul>
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### Version 2.4.0

Features	<b>Master Firmware 2.4.0</b> <ul style="list-style-type: none"> <li>Integrated the AT-UHD-SW-510W into AMS.</li> <li>Added 802.1x to Access Points, which provides user authentication using a Radius server, instead of a password.</li> <li>Increased the connection quality when using Miracast Over Infrastructure.</li> <li>The Splash Screen will automatically be reduced in size, if the message is deleted from the Help URL footnote.</li> <li>Decreased the time delay by four seconds, between when a source is disconnected and when the AT-UHD-SW-510W falls back to the previous input.</li> <li>Moved the MCU Firmware upload option to the Advanced section. This is an optional update. Refer to the Firmware Update instructions for more information.</li> <li>Enabled Bluetooth discovery to work on either a wired or wireless network.</li> </ul>
Bug Fixes	<b>Master Firmware 2.4.0</b> <ul style="list-style-type: none"> <li>Miracast over Infrastructure no longer automatically disconnects after one hour.</li> <li>Fixed an issue where the optional MCU firmware upgrade was not reliable.</li> <li>Fixed an issue where if the Airplay protocol was not allowed, then other protocols would not function either.</li> <li>Fixed an IP routing issue where if the host device is connected to the Access Point of the AT-UHD-SW-510W, and is attempting to access the Ethernet network, the AT-UHD-SW-510W would redirect to its WebUI page instead of the local resource.</li> <li>Resolved an issue where the OSD is no longer automatically enabled when set to Connect mode.</li> <li>Fixed issue where if both Bluetooth discovery and Airplay were enabled, then the host device would automatically be disconnected after five minutes of casting.</li> <li>Resolved an issue where the AT-UHD-SW-510W was unable to connect to a separate Access Point with a very long SSID name.</li> <li>Addressed an issue with CORS.</li> <li>Fixed an issue with the system not saving the default gateway when the unit is in Connect mode.</li> <li>Fixed an issue where the AT-UHD-SW-510W would be unable to connect to a hidden SSID.</li> </ul> <b>MCU Firmware 1.1.11 (optional update)</b> <ul style="list-style-type: none"> <li>Fixed an issue with the audio levels not being saved after a system reboot.</li> <li>Addressed an issue with the Sony XBR-900E/F, which would switch to external speakers, instead of internal, when the AT-UHD-SW-510W was connected to it.</li> <li>Removed YUV from the EDID for all inputs. This resolved an issue when connecting the AT-UHD-SW-510W to a video conferencing device which doesn't support YUV and where the source device is capable of sending YUV (MacBook).</li> </ul>

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### Version 2.3.0

Features	<ul style="list-style-type: none"> <li>Added a Help link to explain how casting works from different operating systems (<a href="http://www.atlona.com/casting">www.atlona.com/casting</a>) to the default splash screen. This section is called footer and can be changed to something else than the Atlona help URL.</li> <li>Added NTP and the ability to fetch it from an external or internal server.</li> <li>Added CORS with wildcard to allow the AT-UHD-SW-510W to communicate with certain servers.</li> <li>Added the ability to activate the display when connected to the AT-UHD-SW-510W Access Point. This assumes that Access Point mode is being used.</li> <li>Added Rest API authentication.</li> <li>Added Health Check indicator to HTML page as an option. System will display a green or red indicator, depending on whether all internal systems are working.</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>Limited the number of allowed Telnet sessions to the AT-UHD-SW-510W, which was causing the system to slow down.</li> <li>Fixed an issue with Miracast over Infrastructure not working reliably when the AT-UHD-SW-510W was in Access Point mode.</li> <li>Resolved an issue with the Display:Minimal:Set command, which was not working over the REST API.</li> <li>Resolved an issue where the REST API command OSD:State:Set was not working properly.</li> <li>Resolved an issue where uploading a splash screen image with the same name would not overwrite the existing splash screen image.</li> <li>Resolved an issue where disabling Miracast through the web GUI could cause the system to become unstable.</li> <li>Resolved an issue where restoring the configuration of the AT-UHD-SW-510W would not restore splash screen images #2 and #3.</li> <li>Resolved an issue with time drifting a few seconds each day.</li> <li>Resolved an issue with Airplay discovery via Bluetooth.</li> </ul>



### 2.3.0 Cont.

#### API Changes

##### New Command

Net:WiFiStations:Kick

##### Description

This command will “kick” users from the Access Point for the specified amount of time.

##### Parameters

mac

timeout

##### Data value

MAC address

Time in minutes

##### Example

`http://[ip]/API?method=Net:WiFiStations:Kick&mac=30:59:b7:0f:d6:cc&timeout=10`

##### New Command

System:MaintenanceTime:Get

##### Description

Returns the current settings for the System:MaintenanceTime:Set command.

##### Parameters

None

##### Example

`http://[ip]/API?method=System:MaintenanceTime:Get`

##### New Command

System:MaintenanceTime:Set

##### Description

Automatically reboots the AT-UHD-SW-510W as a maintenance feature, on the specified day and time. Time must be set to UTC or set to the proper time zone, under the Display menu.

##### Parameters

enable

hour

minute

Day

##### Data value

true, false

0 ... 23

0 ... 59

Monday ... Sunday

##### Examples

`http://[ip]/API?method=System:MaintenanceTime:Set&enable=true&hour=3&minute=30`

`http://[ip]/API?method=System:MaintenanceTime:Set&tuesday=false&monday=true&timezone=UTC`

### 2.3.0 Cont.

#### API Changes

##### New Command

Net:WifiFence:Get

##### Description

Returns the current settings for the Net:WifiFence:Set command.

##### Parameters

None

##### Example

`http://[ip]/API?method=Net:WifiFence:Get`

##### New Command

Net:WifiFence:Set

##### Description

Kicks a user from the Access Point if a designated WiFi signal threshold is reached.

##### Parameters

##### Data value

enable	true, false
period	5000 ... 60000 (milliseconds)
threshold	decibel value
duration	time (minutes)
timethreshold	milliseconds

##### Example

`http://[ip]/API?method=Net:WifiFence:Set&enable=true&period=5000&threshold=-20&duration=10&timethreshold=1000`

##### Deleted Command

Display:Set

### Version 2.2.0

Features	<ul style="list-style-type: none"> <li>Improved performance of the Airplay/Miracast P2P PIN feature.</li> <li>Added animated logo during system boot-up.</li> <li>Added {password} tag for the splash screen. This option will display the Access Point password on the splash screen.</li> <li>HTML splash screen. Added the ability to load an HTML webpage for viewing on the splash screen. Requires special formatting of zip file.</li> <li>Telnet whitelisting. Added the ability to whitelist networks for Telnet access. Whitelisting will block all networks that are not within the specified network.</li> <li>Ability to enable/disable Telnet.</li> <li>Ability to require authentication on Telnet (uses admin username/password).</li> <li>Added text to webUI: Splash screen stating background images upload should be in sRGB (webUI change).</li> <li>Added API JSON command for ping tests: Net:Ping&amp;dest</li> <li>Added API JSON command for Trace Route: Net:Traceroute&amp;deset</li> <li>Added API JSON command for viewing clients that are connected to the Access Point: Net:WifiStations:Get</li> <li>Added API JSON command to view the active BYOD cast: BYOD:Info:Get</li> <li>Added API JSON command for setting admin password: Admin:ChangePassword&amp;pass</li> <li>Added ability to set DNS when assigning a static IP address.</li> <li>Added ability to inherit DNS settings from the Ethernet port to the wireless clients in Access Point mode.</li> <li>Added the ability to manually specify DNS for the wireless clients in AP mode.</li> <li>Moved the OSD pin code to the top-left side of the screen.</li> <li>Made the OSD Access Point information background transparent.</li> <li>Renamed OSD Password to Code.</li> <li>Renamed OSD "Name" to "Wifi name" in AP mode.</li> <li>Released Crestron driver.</li> <li>New display control features:               <ol style="list-style-type: none"> <li>The system can be used to power-on/power-off the connected display, based on whether or not clients are connected in Access Point mode. When a client is connected, the display will be powered. If no clients are connected, then the system will power-off the display.</li> <li>Added the ability to schedule dates and times for the unit to be powered-on or powered-off.</li> </ol> </li> <li>Added the ability to set the local time zone.</li> <li>Added the ability to set the OSD Airplay/Miracast P2P timeout delay.</li> <li>Added the ability to change the Airplay/Miracast P2P PIN after each connection. This feature requires a minimum of 20 seconds for the system to change the PIN code. Any connections within 20 seconds will use the same PIN code.</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>Fixed an issue where the OSD was not displayed, when using a non-BYOD splash screen, if the source was not set to an aspect ratio of 16:9.</li> <li>Fixed an issue where the hostname could begin with a numeric value.</li> <li>Resolved an issue where disabling the OSD pin, while the OSD pin was active, would cause the OSD pin to be displayed as part of the video output.</li> <li>Resolved an issue where the last frame on the video output could become frozen when using Miracast.</li> <li>Resolved an issue where the volume level was not saved and recalled after a system reboot.</li> <li>Resolved an issue where the Display:Minimal:Set command was not working via RS-232.</li> </ul>

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### Version 2.0.0

Features	<ul style="list-style-type: none"> <li>Added the ability to connect to wireless networks without a password in Connect Mode.</li> <li>As of version 2.0.0 and later, firmware is now distributed as a single file, which will automatically update both Master and MCU firmware.</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>Improved Miracast P2P performance.</li> <li>Resolved an issue where if the Airplay/Miracast P2P PIN was enabled, and the OSD was disabled, the PIN code would not be displayed.</li> <li>Fixed an issue where the HTTPS redirect feature was not properly redirecting from HTTP to HTTPS on the initial session which enabled the feature.</li> <li>Resolved an issue where updating the firmware from version 1.1.0 would cause the splash screens not to be updated.</li> <li>Resolved an issue where the display control shutdown timer would not stop when display control was disabled.</li> <li>Resolved an issue where if the unit was shut down from the webGUI, the front panel LED would remain blue (ON state), and not turn red (OFF state).</li> <li>Resolved an issue where pressing the UP/Down buttons on the front panel, to display the OSD, would only show the OSD for 1-2 seconds.</li> </ul>

### Version 1.2.1-5

Features	<ul style="list-style-type: none"> <li>None</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>Resolved an issue where firmware versions 1.2.0 or 1.2.1 are not compatible with all versions of hardware.</li> <li>Resolved an issue with the power-up sequence which could cause the system to not recognize all processors during boot-up.</li> <li>Implemented additional protection which prevents potential file system corruption during a hard power-cycle.</li> </ul>

### Version 1.2.1

Features	<ul style="list-style-type: none"> <li>Added 802.1x Security option for Wifi (Connect Mode only) and Ethernet protocols.</li> <li>Added increased security features, included additional hash/salting of saved passwords.</li> <li>Added thumbnails for Splash Screen images in the web UI.</li> <li>Analog audio input assignment to video inputs. User will have the ability to assign the analog input to a specific digital video input. New layout in the audio section of web UI.</li> <li>Pincode now supports both Airplay and P2P Miracast.</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>Resolved an issue where pressing the Display button would not be processed if the shutdown timer was active.</li> <li>Resolved an issue with the API command "Display:Minimal:Set" command and the auto display on/off shutdown timer. This command would not get processed if the shutdown timer was active.</li> <li>Resolved an issue where if the "No Password in AP Mode" option was enabled, then the OSD would continue to display the Password field.</li> <li>Resolved an issue where previously saved passwords (AP mode only) were displayed on the OSD.</li> <li>Password rotation (AP Mode) no longer requires a password to be entered in order to continue.</li> <li>Resolved an issue where selecting "Reset Network Settings" would generate an error in the webGUI.</li> <li>Resolved an issue where disabling Moderator Mode would cause Googlecast VP8 to remain disabled.</li> <li>Resolved an issue where the front panel Up/Down buttons would not send configured IP commands.</li> <li>Improved Matrix switching.</li> </ul>

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### Version 1.2.0

Features	<ul style="list-style-type: none"> <li>• Added the ability to place the unit in Access Point mode with no password requirement.</li> <li>• New splash screen images.</li> <li>• Added image splash screen rotation.</li> <li>• Added the ability to upload multiple splash screen images.</li> <li>• In Moderator Mode, when another BYOD device is selected using the “Allow” button, the active device will immediately be kicked.</li> <li>• Added Display Control database/lookup feature (pre-release).</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>• Fixed an AirPlay issue where auto-switching would not function when casting an audio-only stream.</li> <li>• Resolved an issue where enabling Access Point mode (under Administration &gt; Networking &gt; Wifi in the web GUI) would cause the OSD to display connection information before Access Point mode was completely enabled (requiring a reboot).</li> <li>• Resolved an issue where the OSD would not display the Access Point password after rebooting.</li> <li>• Resolved an issue where an invalid hostname could be saved, this caused Miracast BYOD to not work.</li> <li>• Resolved an issue where CEC control over HDBaseT was not working using API, web GUI, and display control.</li> <li>• Resolved an issue where the unit would disconnect from the network while in Connect mode.</li> <li>• Resolved: If a user moves the BYOD device beyond the terminal range of the AT-UHD-SW-510W, the last frame of content would be “frozen” on the screen.</li> <li>• Resolved an issue where the input selection in the Matrix Mode section of the web GUI was incorrect.</li> <li>• Resolved an issue where local RS-232 would stop functioning when display control was set to RS-232.</li> <li>• Resolved an issue where Moderator Mode could not be enabled using the API.</li> <li>• Corrected the order of output arguments in the Display:Matrix:Set API command.</li> </ul>

## Release Notes

### Version 1.1.1

Features	<ul style="list-style-type: none"> <li>Added Moderator mode.</li> <li>Added VP8 support, allowing the ability to stream from Chromecast browser.</li> <li>Added the ability to use randomized PIN codes when connecting using AirPlay.</li> <li>Added the ability to enable/disable AirPlay, Google Cast and Miracast protocols.</li> <li>Added the ability to control a display using the local RS-232 on the unit, in addition to HDBaseT.</li> <li>Increased the minimum time for display warm-up / cool-down to 5 seconds.</li> <li>Added the ability to adjust the pulse for relays.</li> <li>Updated the default EDID to 1080p.</li> <li>Added default password change notification.</li> <li>Updated the Display Control UI to provide additional information.</li> <li>Added the ability to permanently disable the OSD.</li> <li>Added truncation for device names longer than 15 characters.</li> <li>Added the ability to specify the maximum BYOD connection time.</li> <li>Encrypted configuration files for security.</li> <li>Added the ability to use HTTPS (SSL) connection to configure devices.</li> <li>Added HTTPS auto-redirect.</li> <li>Added expanded log retrieval from the webUI.</li> <li>Modified the BYOD output from YUV 4:4:4 to RGB.</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>Improved UI functionality for Matrix mode.</li> <li>Improved API responses.</li> <li>Improved the Broadcast feature. When Broadcast is enabled, more events are now displayed when using the API.</li> <li>Fixed an issue where extraneous data was being sent out over RS-232 and IP for display control.</li> <li>Resolved an issue where the system would not go into standby after a reboot.</li> <li>Resolved an issue where the system would not always power the display via auto-power functionality.</li> <li>Resolved an issue where the API would lose synchronization when in Matrix mode.</li> <li>Resolved an issue where the image would freeze, when using BYOD casting, leaving a stuck frame on the display.</li> <li>Resolved an issue where the unit would not connect to a third-party access point after being rebooted.</li> <li>Resolved an issue where CEC control was not working correctly.</li> <li>Resolved an issue where video switching causing audio muting to be disabled.</li> <li>Resolved an issue where video switching caused audio to be set to 0 dB.</li> <li>Resolved an issue with the CEC:Trigger command.</li> </ul>
Known Issues	<ul style="list-style-type: none"> <li>None</li> </ul>

### Version 1.1.0-11

Features	<ul style="list-style-type: none"> <li>Added the ability to adjust the relay pulse length (in seconds).</li> <li>Added the ability to control a display from the local RS-232 port on the AT-UHD-SW-510W.</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>Fixed an issue where matrix API switching commands were unresponsive.</li> <li>Resolved an issue where hex values 0x80 through 0xFF were causing incorrect data to be sent over RS-232 and IP.</li> <li>Resolved an issue where IP control was sending 0x0A at the end of every command.</li> </ul>

### Version 1.1.0

Features	<ul style="list-style-type: none"> <li>Added two Matrix modes (Standard and VTC)               <ol style="list-style-type: none"> <li>Standard mode: This mode allows the system to independently route any input, to either or both of the outputs. When this mode is active, auto-switching and display control will be disabled.</li> <li>VTC mode: This mode allows for the integration of a video conferencing system. The user may specify a static input (normally VTC output) to a static output (display or other sink device). The unassigned inputs and output (normally VTC presentation input) will auto-switch; this includes BYOD devices. This will provide the user with auto-switching functionality through a VTC; the VTC, in turn, can present the inputs for local or remote consumption.</li> </ol> </li> <li>Added 5 GHz channel support under Access Point.</li> <li>Updated the BYOD standard output format to 8-bit for better compatibility with video conference systems.</li> <li>Improved RS-232 control performance.</li> <li>Error message is now displayed when attempting to cast unsupported VP8-encoded content.</li> <li>Added the ability to enable or disable the OSD using the API.</li> <li>Added the ability to control matrix switching using the API.</li> <li>Added the ability to set the analog audio output level from the Audio page.</li> <li>Added a Factory Reset MCU Reset button to the System page in the webUI.</li> <li>Added firmware update check button to the System page. The system will automatically check for firmware updates each time it is rebooted.</li> <li>General UI updates:               <ol style="list-style-type: none"> <li>Relocated the Save button on the EDID page.</li> <li>Removed the audio selection drop-down list from the Audio page.</li> <li>Added an audio-level slider in the Audio page.</li> <li>Set timeout for the save button feedback message on the EDID page.</li> <li>Updated Access Point channel textbox to a drop-down in the Network page.</li> <li>Added help text to the Display page.</li> <li>Added a Routing page.</li> <li>Renamed the Factory Reset button, on the Networking page, to Reset Network Settings.</li> <li>If CEC is selected for display control, RS-232/IP is removed from the Volume / Mute drop-down list, under the Display page.</li> <li>Relocated image upload options to the Splash Screen page.</li> <li>Added requirement to enter 8-digit code.</li> </ol> </li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>Resolved an issue where if the unit was scanning for available wireless access points, it would sometimes display random ASCII characters.</li> <li>Resolved an issue where if the OSD was disabled, and a custom image for the Loading or Splash screen was uploaded, the OSD would be displayed.</li> <li>Resolved issue where a factory reset would not remove custom uploaded images for both the Loading and Splash screens.</li> <li>Resolved an issue where the SW-510 would accept invalid characters (non-numeric) into the IP port field on the Display page.</li> <li>Resolved an issue where if BYOD casting was used with a PowerPoint presentation, the system would be delayed by one frame.</li> <li>Resolved an issue where after extended streaming using AirPlay, the unit would display a permanent black screen.</li> <li>Resolved an issue where the system would shut down while an active source is being presented.</li> <li>Resolved an issue where the system would lose its network settings, causing the system to not boot properly.</li> <li>Resolved an issue where display control would not always send the Display On command.</li> <li>Resolved an issue where the Send buttons, on the Display page, were not working.</li> </ul>

## Release Notes

### Version 1.0.3-8

Features	<ul style="list-style-type: none"> <li>None</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>Resolved an issue where the RS-232 command for Display ON was not being sent.</li> </ul>

### Version 1.0.3-1

Features	<ul style="list-style-type: none"> <li>Added Trigger IO functionality.</li> <li>Added Relay functionality.</li> <li>Added API commands to emulate the front panel display button.</li> <li>Added volume level/slider to the webUI.</li> <li>Added MCU Factory reset button to the webUI.</li> <li>Improved BYOD performance.</li> <li>Improved Display Control performance.</li> <li>Improved Auto switching performance.</li> <li>Improved EDID performance.</li> <li>Improved system security.</li> <li>The AutoSwitch checkbox has been moved from the Advanced tab to the Display tab.</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>The 510W now restores all settings from a configuration file, when loaded.</li> <li>Resolved an issue where extended HEX characters (\x80 or greater) caused the system to send invalid data for display control.</li> <li>Resolved an issue where the 510W would not always connect after rebooting, when the Wifi mode was set to Connect mode.</li> <li>Resolved an issue where the 510W would drop from the AP after an extended period of time, when the Wifi mode was set to Connect mode.</li> <li>EDID data is now properly restored after rebooting the 510W.</li> <li>Resolved an issue where audio would be heard from the analog output, even if the system was in the standby state.</li> <li>Resolved an issue where disabling auto-switching in the webUI, would not disable auto switching.</li> <li>Resolved an issue where if the audio was set to analog in the webUI, the 510W would switch to digital automatically.</li> <li>Audio pop/cracks are no longer heard when rebooting the 510W or switching sources.</li> </ul>

### Version 1.0.2

Features	<ul style="list-style-type: none"> <li>Added the ability to control the unit using RS-232. The baud rate is 9600,8,1,N which is different than the standard Atlona baud of 115200,8,1,N.</li> <li>Added API command for passing RS-232 data to the HDBaseT port using Telnet or local RS-232 port on the unit. Zone:SendCmd</li> <li>During an AirPlay® session, turning off the screen on the phone will now disconnect the session.</li> <li>Added auto relay control for projector screens.</li> <li>Added Bluetooth discovery for AirPlay®. This feature must be enabled in the webGUI.</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>Improved the performance of Miracast, Google Cast™ and AirPlay®.</li> <li>Improved display control (RS-232 / IP / CEC) performance.</li> <li>Resolved an issue where the unit would display as “Miracast Sync” on the windows client when trying to perform a Miracast connection.</li> <li>The unit now accepts an IP address from a DHCP server when the Ethernet cable is connected after the unit has been powered on.</li> <li>Resolved an issue where the front panel input LED indicators would show incorrect information if the Display:Input:Set command was issued using the Command Line Interface (CLI).</li> </ul>



## Release Notes

### 1.0.2 Cont.

Bug Fixes	<ul style="list-style-type: none"> <li>Resolved an issue where the unit could be unresponsive after changing network settings using the webGUI.</li> <li>Resolved an issue where the front panel buttons for setting IP mode (DHCP / static) and IP Show were not working.</li> <li>Resolved an issue where after performing a factory reset, the hostname of the unit would not always use the factory-default hostname.</li> <li>Resolved an issue where an AirPlay® query could cause the current BYOD connection to be terminated.</li> <li>The unit now switches to the correct input when coming out of standby.</li> <li>Resolved an issue which causes log files to max-out and lock up the system.</li> <li>Access Point mode is now available when the unit is set to a static IP address.</li> <li>Resolved an issue where the last video frame can get stuck on the video output from a BYOD cast.</li> <li>Resolved an issue where the display control would not turn on when initiated by a BYOD cast.</li> </ul>
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### Version 1.0.1

Features	<ul style="list-style-type: none"> <li>Date and time setting can now be modified on the webGUI.</li> <li>Added display control IP address commands.</li> <li>System password can now be changed.</li> <li>Help text for Splash Screen Configuration and Commands section of Display control added.</li> </ul>
Bug Fixes	<ul style="list-style-type: none"> <li>WebGUI option <b>Hide Password</b> changed to <b>Hide Password on OSD</b>.</li> <li>510W now broadcasts SSID while in Access Point mode.</li> <li>Miracast™ no longer uses Wifi direct when Access Point is enabled.</li> <li>The IP command Display:Input:Get now returns the correct source.</li> <li>Factory reset now correctly changes device hostname and advanced settings back to default.</li> <li>510W now validates the Master and MCU firmware before loading into the unit.</li> <li>Fixed compatibility issue where the 510W would send Goggle Cast the incorrect date and time.</li> <li>510W no longer stops broadcasting mDNS traffic when using AirPlay® and Google Cast™.</li> <li>System log files now rotate to ensure log file size no longer becomes too large for the unit to boot correctly.</li> <li>Factory default hostname now set to SW510-XXXX to show the unit SKU and last 4 of the MAC address.</li> </ul>

### Version 1

- Factory Firmware