

Athena API Integration

The Athena Application Programming Interface (API) enables integration vendors to integrate their platforms with an Athena system using a RESTful protocol to control and monitor their system.

Access to the Athena API protocol documentation requires approval by Lutron. Contact your local Lutron representative or email workswith@lutron.com for more information.

System Requirements

- Devices integrating with the Athena system via API must support encrypted TLS connections, clear text connections are not supported.
- For network setup requirements, refer to the Athena IT Implementation Guide (P/N 040453) on www.lutron.com
- For seamless authentication directly with an Athena processor, a Lutron provided certificate must be installed on the third-party device. Maximum number of concurrent connections to an Athena processor when using a certificate is ten (10).
- Alternatively, third-party systems can authenticate with a username and password login. This login must be created in the Athena PC programming software and uploaded to the processor by an authorized Lutron technician. Maximum number of concurrent connections to an Athena processor when using a username/password is sixteen (16).
- For cloud-based applications, Athena allows for third-party systems to connect directly to Lutron's cloud for API integration. Lutron will provide secret credentials based on the OAuth 2.0 authorization framework for you to use to create access tokens.

Capabilities

Discover Resources (read-only)

- Area names
- Area tree hierarchy
- Device
 - Device name and serial number
 - Associated area
 - Device type
 - Keypad buttons and status LEDs
- Zones
 - Zone name
 - Control type
- Timeclock events
 - Event name
 - Event days
 - Event time
 - Event enable/disable status
- Load shed enable/disable status

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Job Name:	Model Numbers:
Job Number:	

Monitor Status (read and subscribe)

- Area status
 - Area is occupied/unoccupied
 - Current scene
 - Lighting level (the highest level amongst the area's lighting zones)
- Keypad button events
- Keypad button status LED
- Zone levels (lights, CCOs, receptacles, shade groups)

Control Lights and Devices (write)

- Area lighting level
 - Intensity level, raise, lower, and stop
 - White tuning level (CCT)¹
 - Color tuning level (hue/saturation or x/y color space)²
 - Vibrancy level²
 - Fade time
 - Delay time
- Area scene activation
- Keypad button action
 - Press and hold
 - Press and release
 - Double tap
- Keypad button status LED
 - On
 - Off
 - Normal Flash
 - Rapid Flash
- Lighting zone level
 - Intensity level, raise, lower, and stop
 - White tuning level (CCT)¹
 - Color tuning level (hue/saturation or x/y color space)²
 - Vibrancy level²
 - Fade time
 - Delay time
- Shade group level
 - Level, raise, lower, and stop
 - Delay time
- Timeclock event enable/disable
- Load shed enable/disable

¹ Loads capable of white tuning only (e.g., Lutron T-Series).

² Lutron Ketra loads only.