

Athena and myRoom XC API Integration

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

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

System Requirements

- Devices integrating via API must support encrypted TLS connections; clear text connections are not supported.
- For network setup requirements, refer to the Commercial Lighting Control System IT Implementation Guide (P/N 040453) on www.lutron.com
- For seamless authentication directly with a processor, a Lutron provided certificate must be installed on the third-party device. Maximum number of concurrent connections to a Lutron processor when using a certificate is ten (10).

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

¹ Loads capable of white tuning only (e.g., DALI-2 Device Type 8)

² Lutron Ketra loads only

³ myRoom XC guestroom only

Monitor Status (read and subscribe)

- Area status
 - Area is occupied/unoccupied
 - Current scene
 - Lighting level (the highest level amongst the area's lighting zones)
 - Make up room/Do not disturb³
 - Guest presence detection state³
- 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
- Area HVAC³
 - Change setpoint
 - Change operating mode
 - Change fan mode

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Job Name:	Model Numbers:
Job Number:	