

Vive Hub Integration API

The Vive Hub Integration Application Programming Interface (API) enables integration partners to implement their custom interfaces into a Vive Hub using a RESTful protocol to control and monitor their system.

To learn more about how to use the API, please contact your local Lutron representative.

System Requirements

- For Vive Hub models HJS-2, HMS-2, and HKS-2 with firmware 1.12 or greater
- For network setup requirements, refer to the Corporate Network section of the Hub Spec Submittals (HJS: P/N 369902, HKS: P/N 3691044, HMS: P/N 3691044-04) on www.lutron.com
- To use API integration using the "One-time pairing" method with a partner application, the API integration must be explicitly authorized on each hub and the partner application must have a Lutron-provided certificate installed.
- API integration using the "Login with a username/password" method doesn't require a Lutron-provided certificate installed in the integrating application.
Note: "One-time pairing" or "Login with a username/password" methods are selected while adding integration in Vive Hub.

Capabilities

Discover Resources (read-only)

- Rooms / Areas
 - Area names
- Zones and Zone Type Groups*
 - Zone name
 - Control type (dimnable lights, switched lights, CCOs, and receptacles)
- Device
 - Device name, model number, serial number
 - Type (example–Maestro dimmer)
 - Pico buttons
- Virtual Button (Scenes) status**
- Emergency status**

* A Zone Type Group is a collection of all zones of one control type in one area.

** Requires Vive hub software 01.13 or higher.

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Job Name:	Model Numbers:
Job Number:	

Monitor Status (read-only)

- Rooms / Area Status
 - Space is occupied / unoccupied
 - Lighting level (the highest level amongst the area's lighting zones)
 - Instantaneous power and max power
- Zone and Zone Type Group* Status
 - Light intensity (0–100%)
 - Switch lighting state (On / Off)
 - CCO state (Open / Closed)
 - Receptacle status (On / Off)
- Device Alerts:
 - Low battery with the devices
 - Missing devices
 - Programming not received by the devices
- Sensor-level occupancy state
- Virtual Button (Scenes) status**
- Emergency status**

Control Lights and Devices (read / write)

- Zone and Zone Type Group Control
 - Change the levels of Zones and Zone Type Groups
 - Activate a Pico button
- Activate or Deactivate Load Shed
- Activate Scenes (Virtual Button)**
- Activate or deactivate Emergency**