LUTRON PS-J-20W-UNV Vive Hub Instruction Manual

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PS-J-20W-UNV Vive Hub
Instruction Manual

Installation Instructions
Please Read Before Installing

Contents

PS-J-20W-UNV Vivi Hub

Vivi Hub
Power Supply (PS-J-20W-UNV):
Input: 120–277 V~ 50 / 60 Hz 0.6 A
Output: 24 V- 830 mA
Vivi Hub (HJS-): 24-36 V- 350 mA

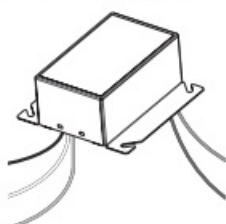| Model Numbers	Description
HJS-0-FM	Starter hub, flush-mount adapterand power supply
HJS-1-FM	Vive hub, flush-mount adapter and power supply
HJS-1-SM	Vive hub, surface-mount adapter and power supply
HJS-2-FM	Premium Vive hub, flush-mount adapter and power supply
HJS-2-SM	Premium Vive hub, surface-mount adapter and power supply

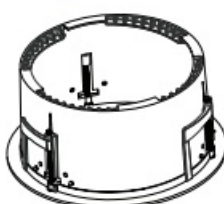| Replacement Parts	Description
PS-J-20W-UNV	Vive hub external power supply
H-MOUNT-FM	Flush-mount installation bracket
H-MOUNT-SM	Surface-mount installation bracket

Included Components
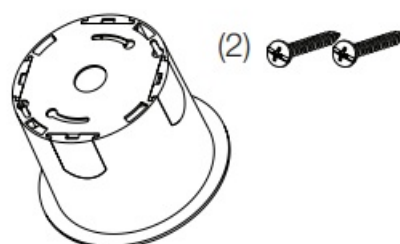

Vive Hub · Power Supply · Flush-mount Adapter –FM models · Surface-mount Adapter and Screws –SM models (2)

Important Notes

General

1. For installation by a qualified electrician in accordance with all local and national electrical codes.

2. In Canada, separate over-current protection is required to be in accordance with the Canadian Electrical Code, Part 1.

3. The primary branch circuit must be protected by a 15 A or 20 A breaker (as applicable).

4. The primary wiring must be 18 AWG to 14 AWG (1.0 mm² to 2.5 mm²) and rated for at least 167 ˚F (75 ˚C).

5. If moisture or condensation is evident, allow the product to dry completely before installation.

6. Operate between 32 °F and 104 °F (0 °C and 40 °C).

7. 0% to 90% humidity, non-condensing.
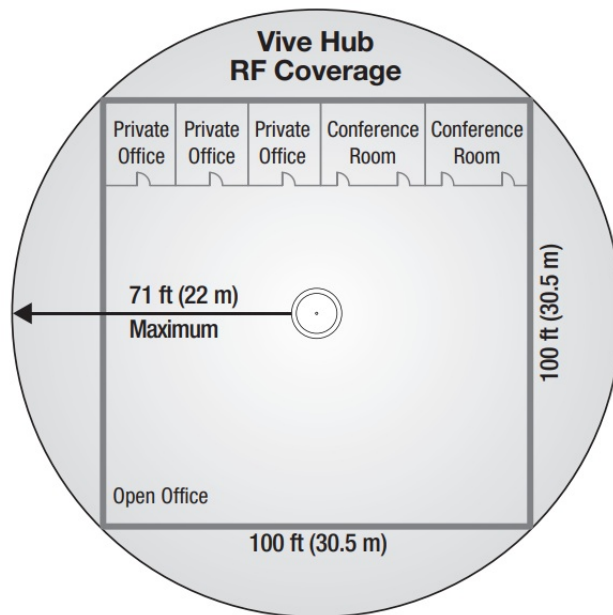
8. For indoor use only.

⚠ **CAUTION:** Risk of Fire, Explosion, Leakage, and Burns. Do Not Recharge, Disassemble, Heat Above 212 °F (100 °C) or Incinerate. This product contains a lithium button / coin cell battery. Keep batteries away from children. If a new or used lithium button/coin cell battery is swallowed or enters the body, it can cause severe internal burns and can lead to death in as little as 2 hours. Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep the batteries away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

The battery in this device contains Perchlorate Material — special handling may apply. For more information, visit **www.dtsc.ca.gov/hazardouswaste/perchlorate**

Vive Hub

1. Clean the Vive hub with a soft damp cloth only. DO NOT use any chemical cleaners.

2. DO NOT paint the Vive hub.

3. The Vive hub is part of a system and cannot be used to control a load without a compatible system device. Please refer to the system device(s) instruction sheet or **www.lutron.com** for installation information.

4. Up to 700 Lutron wireless devices can be associated with the Vive hub.

5. Installation near metal, other than a junction box, may reduce RF range. The Vive hub should be at least 12 in (305 mm) away from metal objects.

6. All wireless devices must be within 71 ft (22 m) of the Vive hub. This range applies to both Clear Connect devices and Wi-Fi.

7. A corporate Wi-Fi network can interfere with the Wi-Fi on the Vive hub. Where a corporate Wi-Fi network exists, it is recommended to connect the Vive hub to the corporate network using the Ethernet connection on the hub and disable the hub's Wi-Fi.

8. Must be mounted a minimum of 10 ft (3 m) from Wi-Fi router.

9. For a secure way to de-commission the Vive hub, please contact Lutron Customer Assistance.
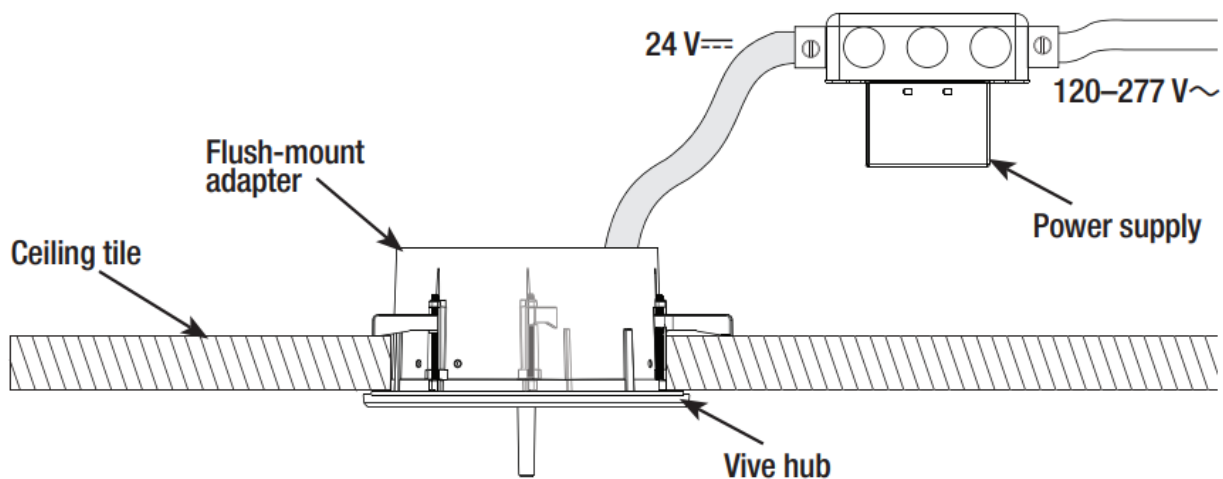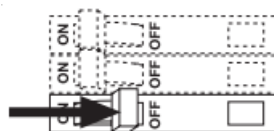
Typical Application

Vive Hub RF Coverage

Private Office | Private Office | Private Office | Conference Room | Conference Room

71 ft (22 m) Maximum

100 ft (30.5 m)

Open Office

100 ft (30.5 m)

Instructions

Product Overview
(Flush-mount Adapter shown)

24 V⎓

120–277 V∼

Flush-mount adapter

Ceiling tile

Power supply

Vive hub

Installatio

1. Turn OFF power at circuit breaker.

⚠️ **WARNING!** Shock Hazard. May result in serious injury or death. Turn off power at circuit breaker before installing the unit.

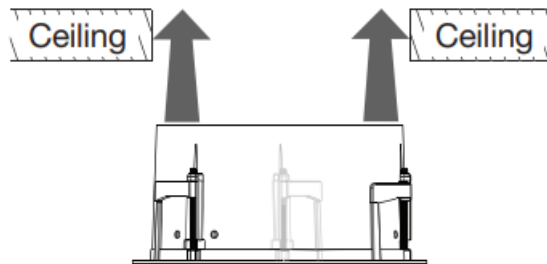2. **Installing the Mounting Adapter**

The Vive hub can be mounted on a variety of ceiling materials (thickness ranging from 1/4 in to 1 1⁄4 in (6 mm to 32 mm) with the mounting bracket provided.
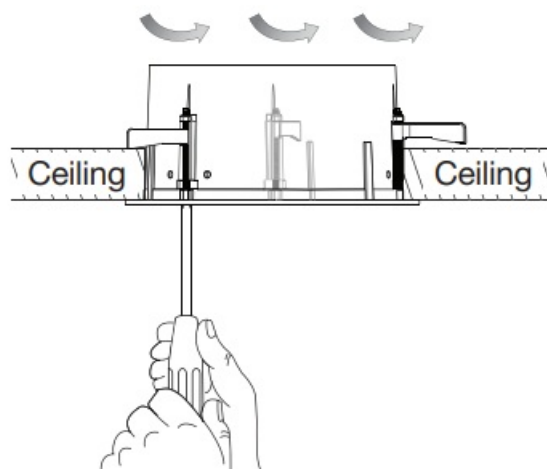
Flush-Mount adapter

A. Cut a 6 in (152 mm) diameter mounting hole in the ceiling to insert the mounting bracket.
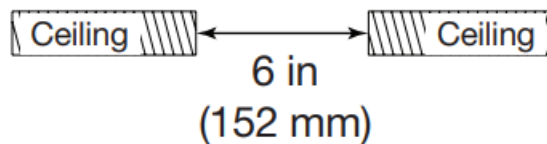
B. Insert the flush-mount Adapter into the hole and rotate the three brackets outwards by turning screws.

C. Using a Phillips head screwdriver, hand-tighten the brackets, clamping the adapter to the ceiling. DO NOT overtighten.
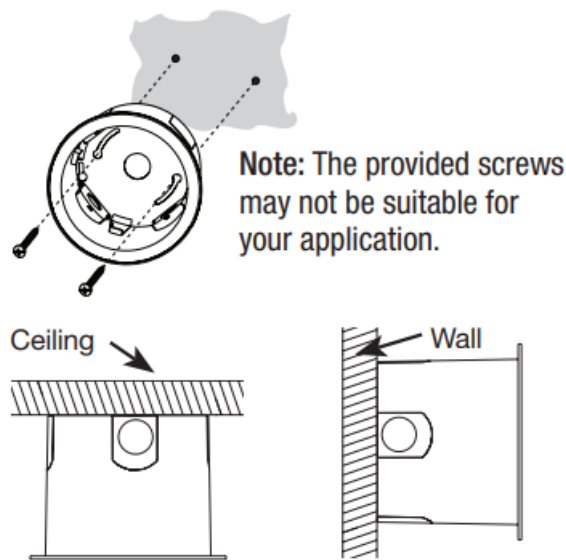

Surface-Mount adapter
A.

1. Remove installed doors to access the optional conduit knockouts. The knockouts provide a connection point for 1/2 in or3/4 in (13 mm or 19 mm) conduit.

2. Attach the surface-mount adapter to the wall or ceiling using the included screws or appropriate screws that will securely mount the device.

Note: The provided screws may not be suitable for your application.

Ceiling

Wall

B. Alternate installation methods: Attach the surface-mount adapter to a junction box (4 in x 4 in (102 mm x 102 mm) square or 4 in (102 mm) octagonal).
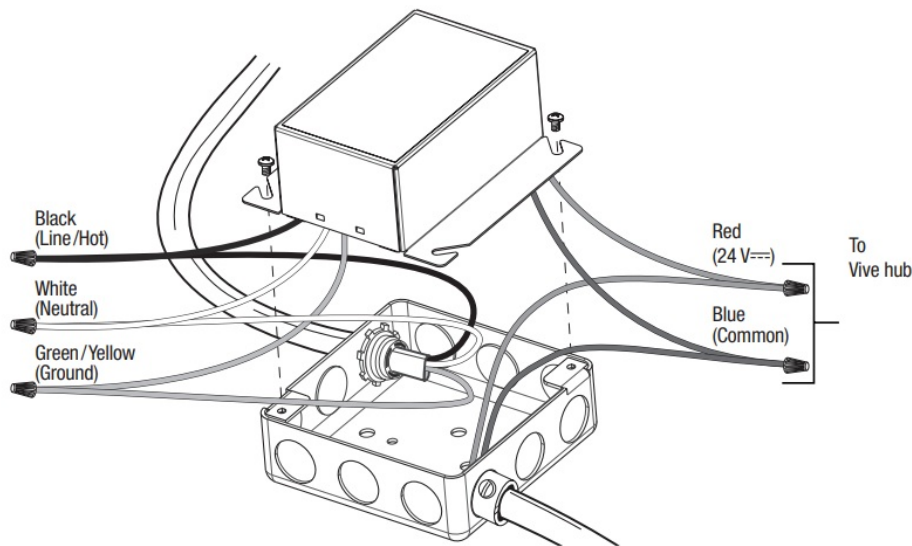

Junction box

Mounting holes for junction box
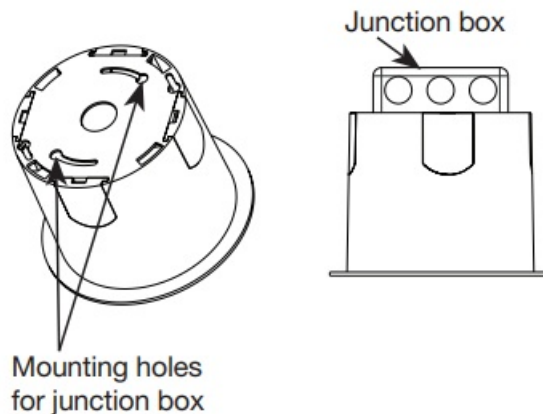
Wiring
A. Power Supply

1. Ground the junction box in accordance with NEC® / local codes.
2. Mount the power supply to the junction box. The power supply must be mounted within 100 ft (30 mm) of the Vive hub.
3. Make wiring connections as shown.

   Note: DO NOT power the Vive hub with an Uninterruptable Power Supply (UPS) or emergency generator power. The Vive hub must be powered with normal power only when emergency Pow Pak /Fixture Controllers are utilized in the system. If the Vive hub is powered from UPS or emergency generator power any emergency Pow Pak utilized in the system will either not enter emergency mode, or exit emergency mode prematurely.

   Note: Maintain separation of the power supply Class 2 output wiring from all other conductors by a minimum of 1/4 in (6.4 mm) or by a non-conductive sleeve or nonconductive barrier.
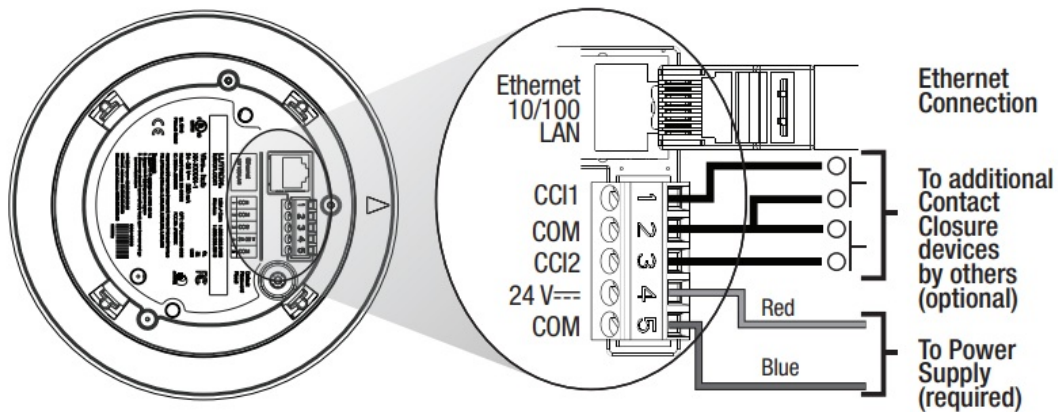
B. Vive Hub

1. Run the low-voltage wiring from the power supply to the Vive hub. Most applications will require an additional length of wire to connect the junction box with the Vive hub. Wiring should be 24 AWG–12 AWG (0.2 mm2 –2.5 mm 2).

2. Wire the Vive hub terminal block. Contact Closure Input 1 (CCI1) is programmed by default to meet Title 24 Automatic Demand Response (where applicable).
Closing this input will shed the lighting load by 20% for connected Vive compatible lighting devices. Contact Closure Input 2 (CCI2) is programmed by default to have no effect. CCI2 can be configured during programming.
Note: Terminal blocks are removable for ease of wiring.

3. Connect the Ethernet cable to connect to Building Management Systems, wired networks, and other Vive hubs.
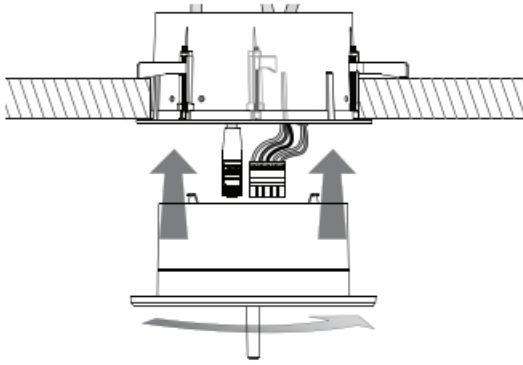
Attaching the Vive Hub to the Adapter
Note: Prior to installing the hub, record the Wi-Fi SSID printed on the label.
Attach the Vive hub into the ceiling-mount adapter by inserting and twisting in a clockwise direction until the hub locks into place.
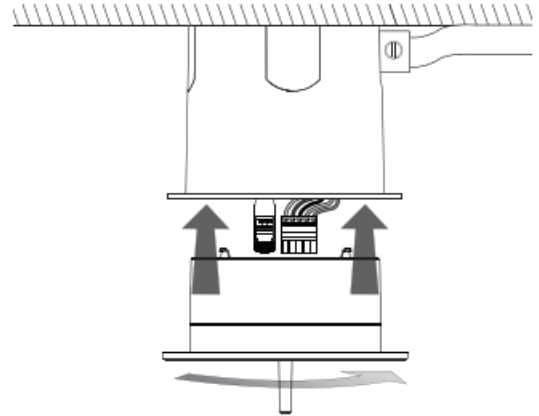
Flush-mount Adapter

Twist Vive hub until ratcheted flush with ceiling.

OR

Surface-mount Adapter

Twist Vive hub until hub clicks into place.

Turn ON power at circuit breaker.
Programming
The Vive hub can be set-up easily with any Wi-Fi enabled iOS® or Android® compatible device.
a. Download the Lutron Vive app.

b. Open the app and follow the instructions.

LED Feedback

Mode / Error	LED Pattern Description
Normal Operation	Blink White once every 10 seconds
Software update	Blink alternately between Blue and White
Reset to factory defaults	Blink alternately between Green and Amber
Recovery	Solid Blue

Troubleshooting

www.lutron.com/vive

Symptom	Possible Solutions
Forgot password	• Hold the button on the back of the Vive hub for 10 seconds or until the LED flashes white.
Cannot connect over Vivi-Fi	• Move closer to the Vive hub. • Verify that the power is connected to the hub. • Check Wi-Fi settings on the smart device. • Connect over the Ethernet and verify that the Wi-Fi is enabled on the hub see Wi-Fi setting is .
Cannot connect over Ethernet	• Verify that the power is connected to the Vive hub. • Verify that the wired Ethernet is connected properly. • Verify that the Ethernet cable is less than 328 ft (100 m) in length.
LED is Off	• Verify that the power is connected to the Vive hub. • LED should blink once every 10 seconds if the Vive hub is powered properly.
LED is red	• Contact Lutron only if maintained more than 30 seconds or occurs periodically.
LED is blue	• Contact Lutron.
External events (such as Automatic Demand Response) are not triggering	• Verify the contact closure input 1 is connected. • Check the programming for contact closure inputs.

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Documents / Resources
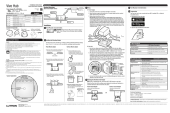
	LUTRON PS-J-20W-UNV Vive Hub [pdf] Instruction Manual HJS-0-FM, HJS-1-FM, HJS-1-SM, HJS-2-FM, HJS-2-SM, PS-J-20W-UNV Vive Hub, PS-J-20W-UNV, Vive Hub, Hub

References

- ⊕ **Vive Reconnect | Lutron**
- ⬡ **dtsc.ca.gov/hazardouswaste/perchlorate**
- ✺ **Lutron: Beautiful light. Intelligent Shades. Powerful Controls**
- ✺ **lutron.com/fcc-ic**
- ✺ **Lutron Support Center | Lutron**
- ✺ **Vive - Commercial Wireless Lighting Control System | Lutron**