

Vivint Smart Hub Pro

(VS-SHP000-001)

Quick Reference (Overview, Specs, Installation, Regulatory)



The Vivint Smart Hub Pro® is a desktop-mount control hub device with a built-in touchscreen display that serves as the central component of the Vivint Smart Home™ system — a fully supervised, integrated, and intelligent home security and smart home automation ecosystem.

The system — comprised of the hub and various security sensors, detectors, and smart home devices — incorporates the most advanced technologies and functionality available today. The touchscreen interface allows control of all system functions, including arming and disarming, viewing and clearing alerts, and configuring and controlling peripheral devices such as sensors, locks, and cameras. Additionally, the display shows time & weather, and real-time status of the network, power, sound, and system security. Speaker and microphones provide two-way talk with Vivint Monitoring, as well as audible doorbell rings, system count down, sensor status sounds, and alarm siren (piezo) functionality. The LED light indicates security system status. Emergency features are also available through the Emergency icon on the touchscreen's status bar.

The Smart Hub Pro works with the Vivint app that can be downloaded to the user's mobile device and used for access and control of all system functions. The app interface is similar to the hub's touchscreen display, providing intuitive navigation and making device configuration and operation quick and easy.

This document includes a product description, illustrations, basic operation / functionality, and installation instructions; as well as technical specifications, standards listings, and regulatory compliance references.



Operation Overview / User Functionality

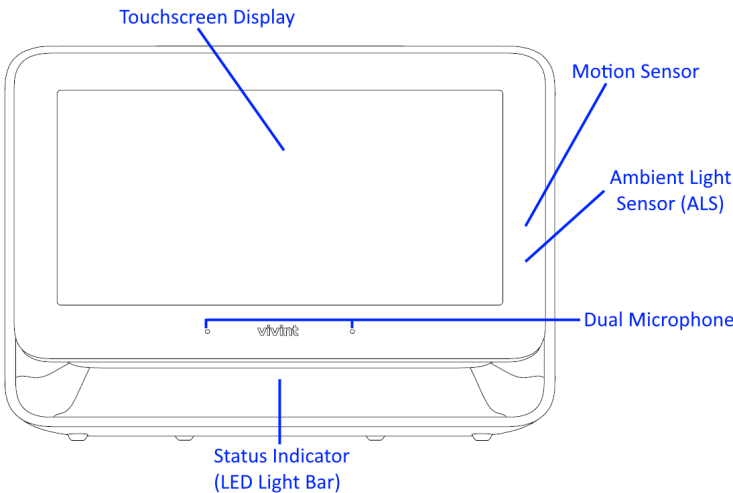
Once the Smart Hub Pro is up and running, the user can perform the following functions, among others, at either the hub or via the mobile app, or using an additional remote touchscreen display (optional). The hub monitors and manages all aspects of the integrated smart home system, including security sensors (door/window, motion, etc.), detectors (smoke, CO, etc.), and automation devices (cameras, door locks, etc.).

For details about specific features, refer to the online Help at the *Vivint Support* site: support.vivint.com.

MAIN FEATURES — WHAT YOU CAN DO WITH THE SYSTEM

- Arm and disarm the security system (Stay & Away)
- Activate alarms with the Panic button (Emergency and Fire)
- Communicate with Vivint Monitoring using two-way talk
- Acknowledge and clear alert notifications
- Add, configure, and control smart home devices and users
- And more (see the online Help)

Smart Hub Pro (front view) —



Technical / Hardware Specifications

Vivint Part Number (P/N)	VS-SHP000-001
Model Number (M/N)	CP07
System Parameters	100 wireless zones; 50 users; 20 key fobs; 30 keypads; 2000 Z-Wave devices (thermostats, door locks, keypad, etc.)
System Communication (radios, receivers)	345 MHz receiver (primary sensor radio); Z-Wave radio; DECT ULE radio (hub-to-screen communication); Bluetooth (BLE used for initial setup, and connection to home Wi-Fi); Dual-Band Wi-Fi: 802.11 a/b/g/n/ac; 10/100 Ethernet port, RJ-45 jack w status lights; LTE cellular module
Display	7" LCD capacitive multi-touch touchscreen; 1024 x 600 (WVGA) resolution; 24-bit color; Typical Luminance: 350cd/m²
Audio	Speaker: Max 85dB SPL at 10 feet (3 meters) Dual microphones
LEDs / Visual Status Indicators	LEDs: provide visual feedback of keys pressed, security status, errors with the hub and system, and lighting for interaction in the dark. Light bar: 4 RGB LEDs, segmented with separate color & brightness. Backlit icons: 4 backlit icons to show system status.
Power (AC)	AC adapter (12 V adapter with detachable DC cord) - Input: 100-240 VAC 50/60 Hz (max 1.0 A) - Output: 12 VDC 2.0 A
Power (Backup Battery)	Battery: 3.6 V Lithium-ion, 6200 mAh typical, 6000 mAh minimum (providing a minimum of 24 hours of internal backup battery power when operating in low power mode)
Environmental (Operating Humidity and Temperature Ranges)	The hub will operate at humidity levels of 0 – 90% non-condensing and temperatures between 0°C to 49°C (32°F to 120°F). For optimal battery operation, the recommendation is 0°C to 35°C (32°F to 95°F).

Standards Certifications and Listings

FCC	47CFR Part 2.1091; 47CFR Part 15, Subpart B, Class B; Subpart C; Subpart D; and Subpart E
Safety Certification	ULus Listed
CSFM Listing	7167-2147:0X00
UL 985	Standard for Household Fire Warning System Units
UL 1023	Standard for Household Burglar-Alarm System Units
ANSI/SIA CP-01-2019	Security System Standard – Features for False Alarm Reduction
FCC ID (Hub):	2AAAS-CP07
- Contains FCC ID:	XMR201909EG91NAX

*For complete regulatory compliance information, go to: vivint.com/legal/fcc.

*For patents information, go to: vivint.com/legal/patents.



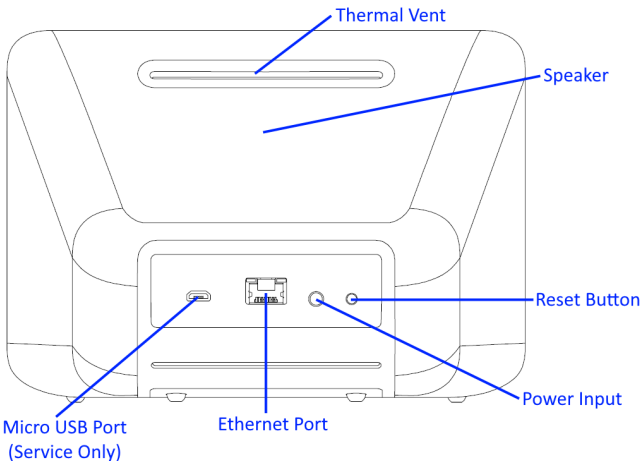
Installation Instructions Outline

This outline provides a high-level summary of the installation of a Smart Hub Pro and system. The Vivint technician (installer) should carefully read these steps to ensure a successful installation and optimal operation. For more information, refer to the *Field Service Smart Home Pros* website.

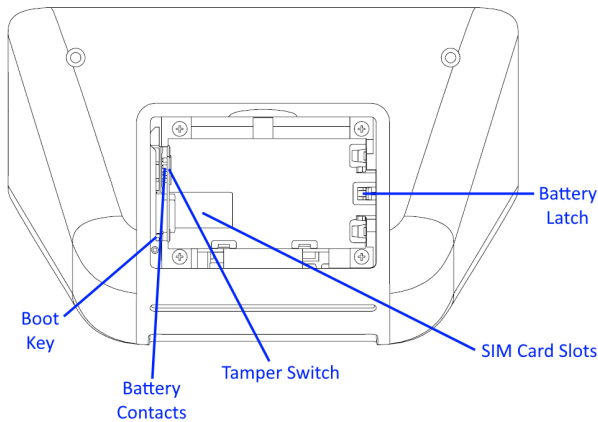
Follow these steps:

1. **Plan the installation.** Prepare to install the system by creating a floor plan, in consultation with the property owner, to determine the best placement locations.
2. **Unpack the box.** The package should contain the hub, and the power supply.
3. **Select an unswitched outlet for the power supply.** Identify an unswitched wall outlet where you can plug in the power supply.
4. **Place the hub in your chosen location.** Choose a location where it is convenient to use the desktop-mounted hub's touchscreen to view system status, arm and disarm the security system, access emergency features, and communicate via two-way talk with Vivint Monitoring.
5. **Install the backup battery.** Remove the cover on the bottom of the hub, firmly push the battery into the bay where it connects with the contacts, and replace the cover.
6. **Apply AC power.** Plug the AC power supply into the selected wall outlet and connect it to the hub. For U.S. installations, use the retaining bracket to secure the power supply to the outlet.
7. **Wait for the hub to power on.** Once AC power is supplied to the hub, the LED buttons light up (blinking white), and the boot process begins.
8. **Configure system settings via the Installer Toolbox.** Once the hub is finished booting, configure the system settings (network, cellular, etc.) required for basic operation. Note the sequence of this step and that of installing sensors/devices is flexible and can be alternated.
9. **Install and configure the security sensors and other devices.** Install and configure the sensors (door/window, motion, etc.), detectors (smoke, CO, etc.), and smart home devices (cameras, locks, etc.) for a custom system. NOTE: You can also add the optional external touchscreen display device (using either the wall mount backplate or the desktop mount stand) to extend system control via touchscreen from a convenient remote location anywhere in the home.
10. **Customize the hub, and add users.** Customize the hub appearance and behavior (sounds, brightness, etc.), and add users who can access the system (at the hub via their 4-digit PIN code, and/or remotely via the optional display, and mobile app).
11. **Register the system.** Register the system with the account registration ID (ARID) so that it can be monitored by the Vivint Central Station.
12. **IMPORTANT: Perform the Installer Test.** Once the installation is finished, you MUST perform a complete system test to ensure proper functionality.
13. **Instruct the customer on basic operation, and how to access online Help and Customer Care.** Show the customer how to do tasks such as arming & disarming, using alerts, viewing video, and controlling devices. Show them how to access the Support site and contact Customer Care. Tell them to test the system weekly to ensure continued protection and optimal performance.

Smart Hub Pro (back view) —



Smart Hub Pro (bottom view open) —



FCC Regulatory Compliance Declaration*

CAUTION! Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

Indoor Use Only Statement: FCC regulations restrict operation of this device to indoor use only.

FCC (U.S.) Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm (7.9 in) between the radiator and your body.