

PP-100

Proximity Detection Beacon Installation Guide



Description

The Crestron® PP-100 PinPoint™ Proximity Detection Beacon is a low-profile hardware device that plugs into a USB wall charger (or any USB host port).

The PP-100 uses Bluetooth® technology to determine the location of a mobile smart device by measuring its signal strength relative to each of the beacons in the system.

Additional Resources

Visit the product page on the Crestron website (www.crestron.com) for additional information and the latest firmware updates. Use a QR reader application on your mobile device to scan the QR code.



Placement Tips

For optimal performance of the PinPoint system throughout a residence or facility, utilize the following placement tips:

- The PinPoint pattern of detection is roughly hemispherical from the front face of the PP-100 enclosure. Ensure the Crestron swirl logo is facing the general direction of desired detection.
- Minimize physical obstructions (e.g., furniture, walls, etc.) between the PP-100 and its area of desired detection. PP-100 is closer to the device.
- If PP-100s are used in adjacent rooms, avoid placing them along a common wall in close proximity to each other. Since PinPoint detection works through walls and other obstructions, avoiding such placement will make it easier to determine which PP-100 is closer to the device.
- If PP-100s are used in two rooms that are directly above and below each other, avoid placing PP-100s close to the ceiling in the lower room.
- For very large rooms or areas, using multiple PP-100s can achieve more tightly controlled PinPoint coverage.

Factory Restore

If a PP-100 cannot be detected via the Crestron Home Beacon Setup App or if default factory values need to be restored, use the following procedure:

1. Start by unplugging the PP-100.
2. Plug the PP-100 in for 6 seconds.
3. Unplug the PP-100.
4. Repeat steps 2 and 3 two more times.
5. Plug in the PP-100. The factory defaults should now be restored.

As of the date of manufacture, the PP-100 has been tested and found to comply with specifications for CE marking.



Federal Communications Commission (FCC) Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following 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.

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

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, 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 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/TV technician for help.

Industry Canada (IC) Compliance Statement

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Industrie Canada (IC) Déclaration de conformité

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

To satisfy RF exposure requirements, this device and its antenna must operate with a separation distance of at least 20 centimeters from all persons and must not be colocated in conjunction with any other antenna or transmitter.

The product warranty can be found at www.crestron.com/warranty.

The specific patents that cover Crestron products are listed at patents.crestron.com.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

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