

Range Extender

Long-range
communication bridge for
Smart Monster pressure
sensors



About your Range Extender

The Range Extender is a long-range communication bridge for use with Smart Monster devices. To begin, download and install the Smart Monster mobile application available on both iOS and Android devices.

When you first launch the Smart Monster mobile application, you will be prompted to allow the application to use bluetooth communication, and on Android, to also access location data. These are required for the application to communicate with the Smart Monster devices.

The mobile application will automatically discover any Smart Monster or Range Extender within communication range (approximately 25 feet), and begin displaying the pressure reading right away.



Communication Antenna



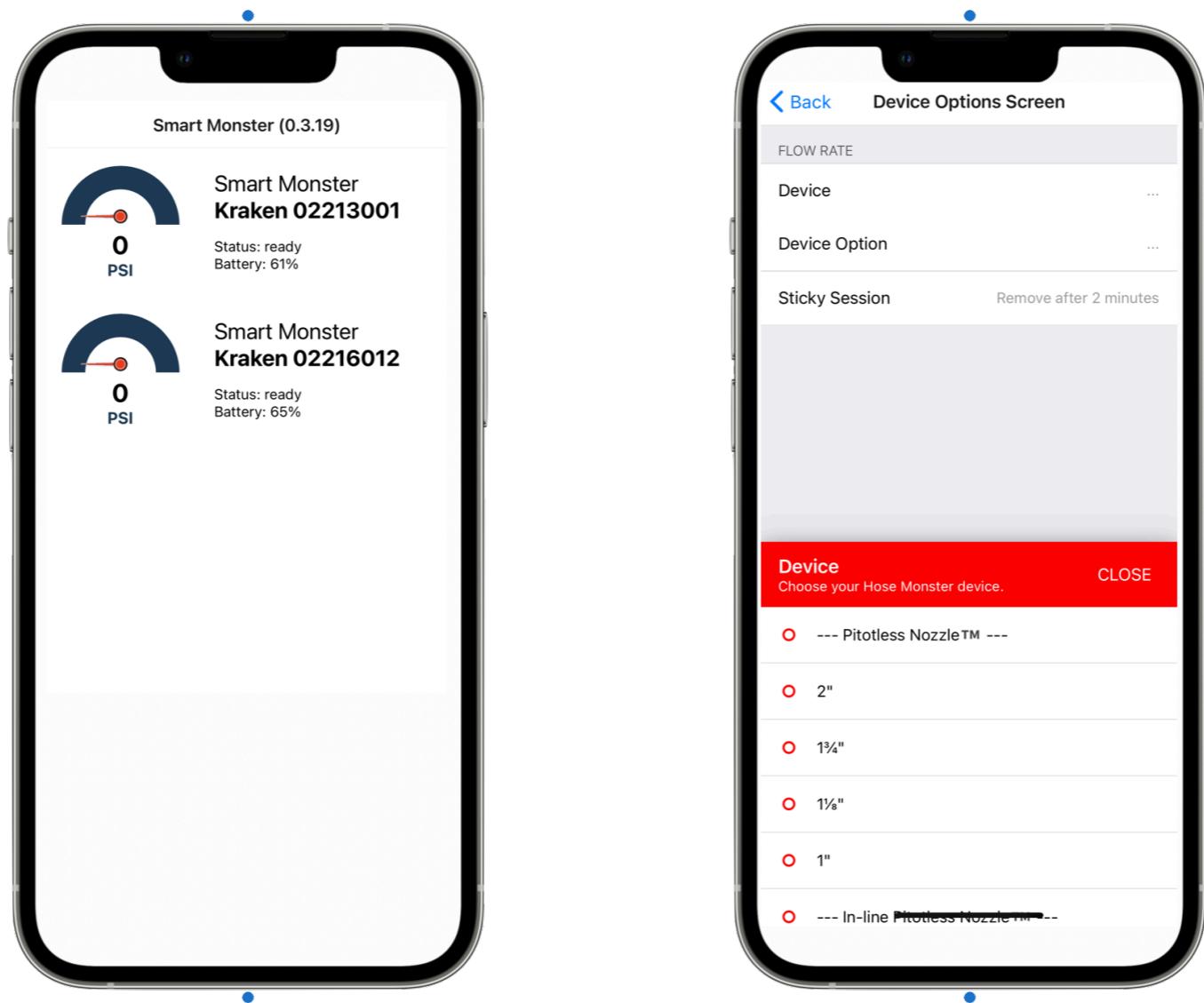
Wireless Charging Cap



Your Range Extender has an antenna on end for long-range communication. The antenna may be removed for storage, but should be replaced for best operation before using.

The Range Extender uses 915 Mhz ISM band communication to relay readings from your Smart Monster devices over a mesh network, allowing you to use your Smart Monster from distances greater than 25 feet, as well as through obstructions such as interior and exterior building walls.

Your Range Extender has wireless charging capabilities. To charge the battery, simply place it on a wireless charge pad with wireless charge cap facing down (the antenna pointing up). The Range Extender should reach a full charge within 4-8 hours. It is recommended to charge them nightly, though you should get several days use out of a full charge.

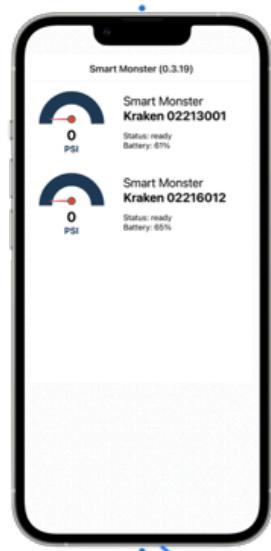


A Smart Monster which is out of bluetooth range of your mobile phone may be used through range extenders. Place one near your Smart Monster device, and one near your smart phone. To span greater distances, you may place additional smart monsters at intermediate locations between the two

Smart Monsters that are only discoverable through the Range Extender network will appear with a status of 'remote'.

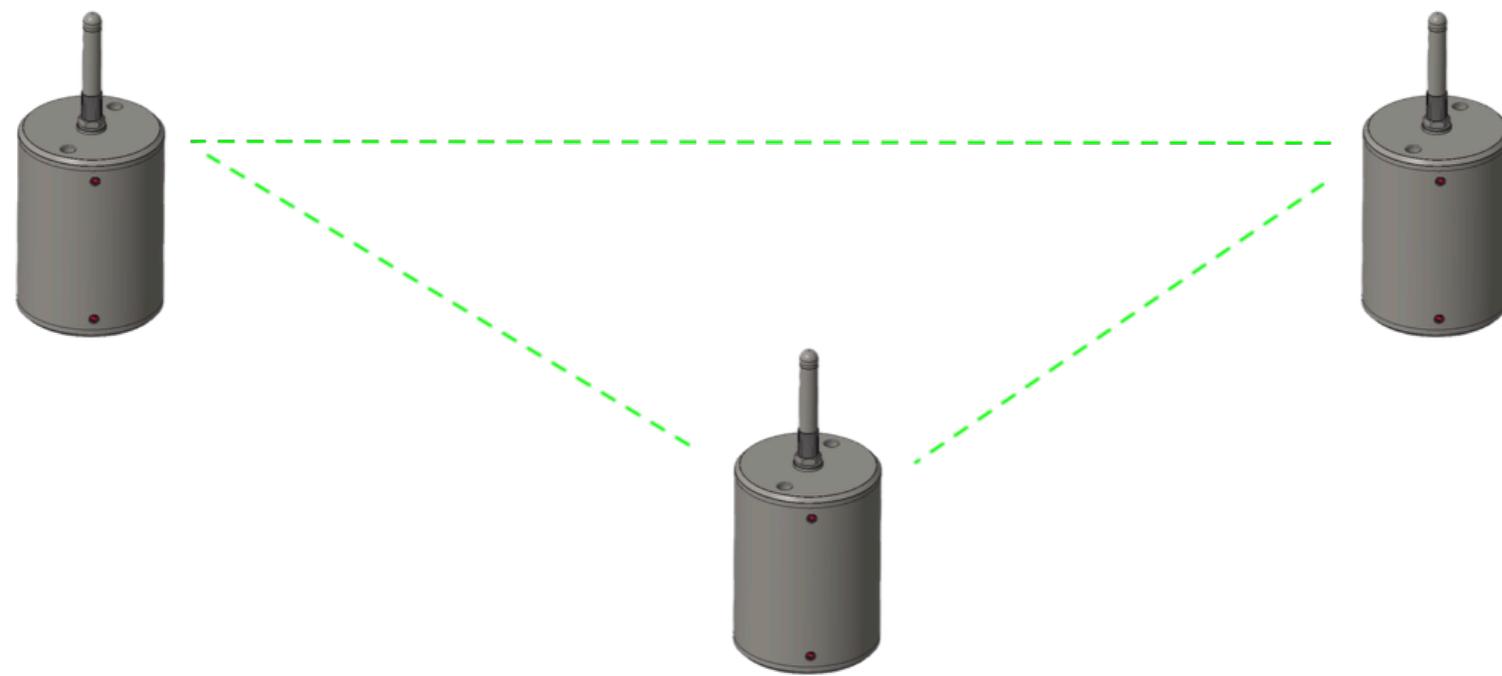
Tap on any device in the list to switch to its Device Options screen. On the Device Options screen, you can set the Hose Monster product it is connected to, which will switch the reading shown from PSI to Gallons Per Minute (GPM).

Return to the Device Options screen and clear your selection to return to PSI values. There is no device calibration screen available when a Smart Monster is 'remote'.



Bluetooth Low Energy

ISM Band Radio



Typical Deployment

HOSE MONSTER



COMPANY

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Lake Zurich, IL 60047**

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FCC Compliance

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.

CAUTION: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications 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 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 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.

This equipment has been tested and meets applicable limits for radio frequency (RF) exposure. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.