lushSensor

LS-GW-00-000W-01

Gateway User's Manual

September 2018

Version 1.4

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About this Document

This document describes the usage of the **lush**Sensor Gateway.

Disclaimer:

The information in this document pertains to information related to **lush**Sensorproducts. This information is provided as a service to our customers, and may be used for information purposes only.

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Gateway Quick Start

The **lush**Sensor Gateway receives data from the Sensors and relays it to servers in the the cloud using a standard internet connection.

Figures 1 and 2 show the front and back views of the Gateway, respectively.

Preparing the Gateway for Ethernet operation:

1. Attach antenna to antenna jack.
2. Attach Ethernet cable to Ethernet port.
3. Attach power code to the power connector.
4. Push the power button to enable power to the Gateway.

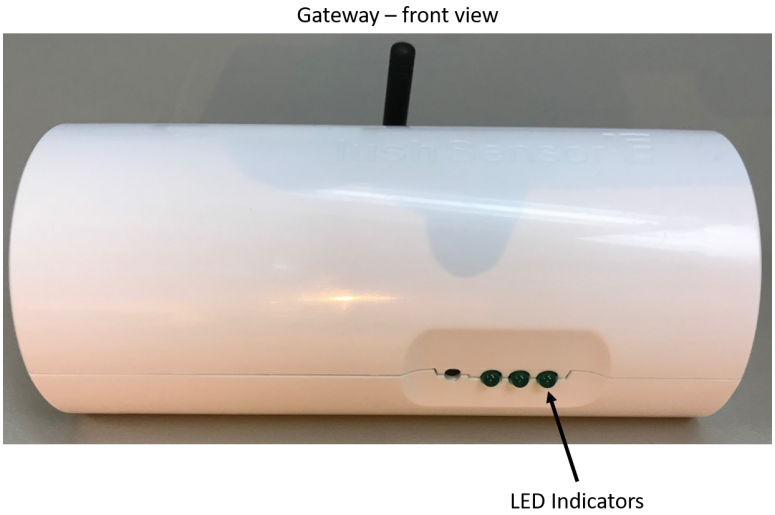

Figure 1: Front view of the Gateway

For Wi-Fi operation go to `http://www.lushsensor.com`

For detailed installation instructions and setup go to `http://www.lushsensor.com`

The Gateway is intended for indoor operation.

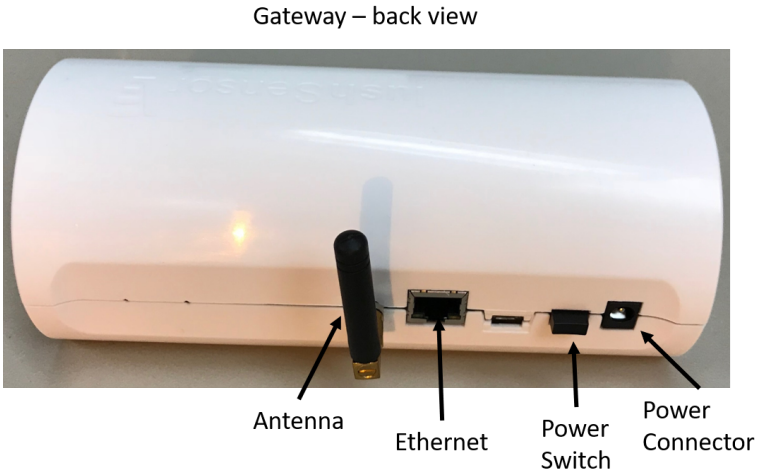

Figure 2: Back view of the Gateway

Regulatory Specifications - US

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.

Model: LS-GW-00-000W-01
FCC ID: 2APTWGW0001
IC: 23996-GW001

This device complies with Part 15 of 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.

The Gateway contains module identified by FCC ID: XF6-RS9113DB / IC: 8467A-RS9113DB. The 5.15-5.25 GHz frequency band is restricted to indoor use only.

Changes or modifications not expressly approved by lushSensor, LLC could void the user's authority to operate the equipment

This device complies with Part 15 of 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.

This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

Regulatory Specifications - Canada

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: 1.This device may not cause interference. 2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique 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 ; 2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This radio transmitter IC: 23996-GW001 has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Le présent émetteur radio IC : 23996-GW001 a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué pour tout type figurant sur la liste, sont strictement interdits pour l'exploitation de l'émetteur.

Industry Canada Regulatory Information

CAN ICES-3 (B)/NMB-3 (B)

Avis d'Industrie Canada

CAN ICES-3 (B)/NMB-3 (B)

IC Radiation Exposure Statement: This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment.

This radio transmitter IC: 23996-GW001 has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Le présent émetteur radio IC : 23996-GW001 a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antenne énumérés ci dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué pour tout type figurant sur la liste, sont strictement interdits pour l'exploitation de l'émetteur.

Other can be used with the Gateway as long as they are 50Ω, whip antenna, with a gain that is less than or equal to 3.32dBi.