GeoComply

# PinPoint Master Beacon 2.0
## User Manual

**Updated June 20, 2024**

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# Introduction

PinPoint Master Beacon 2.0 is the future of location-based services and intelligent connectivity. This device seamlessly combines the power of Bluetooth technology, Power over Ethernet (PoE) convenience, and efficient remote management capabilities.

# Safety Information

## Warning

To avoid injury, read all safety information and operating instructions before using the PinPoint Master Beacon 2.0. Failure to follow these safety instructions could result in fire, electric shock, or other injury or damage to the PinPoint Master Beacon 2.0 or other property.

## Important Safety Instructions

To use the PinPoint Master Beacon 2.0 safely:

- Read these instructions carefully.
- Follow all instructions.
- Do not use the PinPoint Master Beacon 2.0 near water.
- Clean only with a dry cloth.
- Do not block any ventilation openings.
- Do not install near a heat source like a radiator, heat register, stove, or other device that produces heat.
- Only use attachments/accessories specified by GeoComply.
- Do not use the PinPoint Master Beacon 2.0 outdoors.

# Product Overview



## Technical Specifications

**Size**: 150 x 80 x 46mm

**Weight**: 212g

**Color**: Black

**Operating Temperature**: 0 - 60°C

**Mounting**: Walls or Ceiling

## Bluetooth+Zigbee Radios

**Version**: Bluetooth 5

**Frequency**: 2.402GHz to 2.480GHz

**Transmit Power**: 8.45dBm

Version: Bluetooth 5

Frequency: 2.402GHz to 2.480GHz

Transmit Power: 9.19dBm

**Typical Line of Sight Range**: 5 to 50m
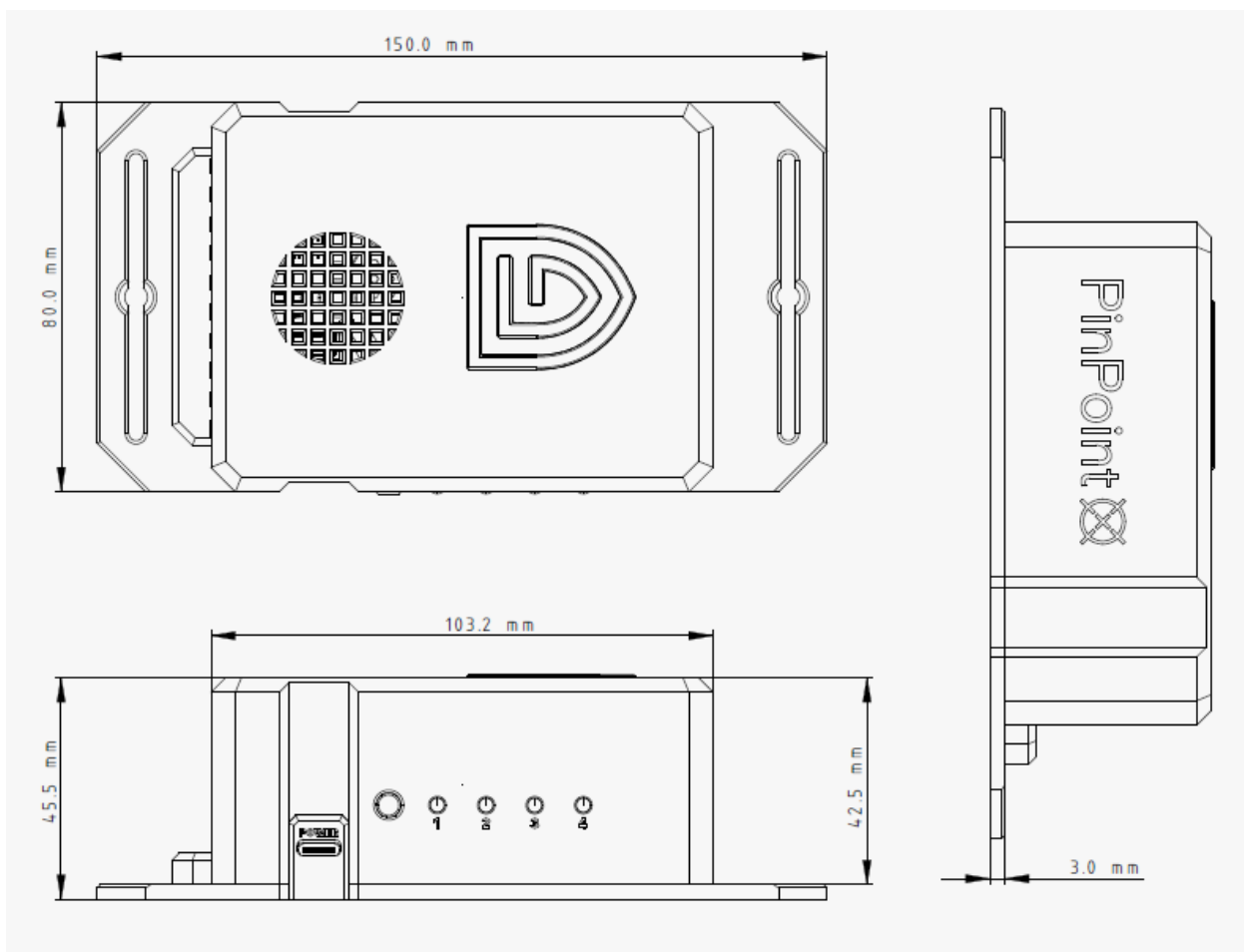
**Antenna**: Chip Antenna

# WiFi 2.4GHz+Bluetooth

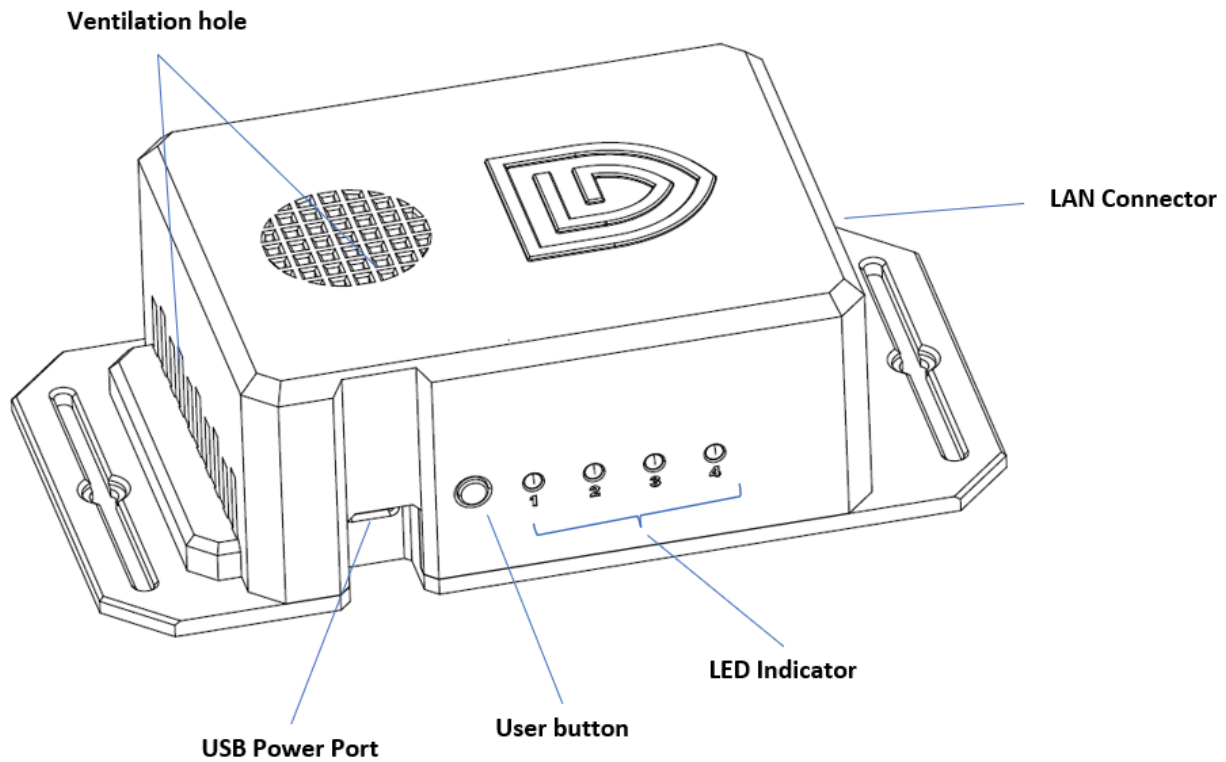**Frequency**: 2.412GHz to 2.462GHz，2.402GHz-2.480GHz

**Mode**: AP mode

**Default Channel**: 7 (Frequency 2442 MHz)

**Transmit Power**: **BLE -**2.01 dBm，2.4G WIFI 22.63dBm
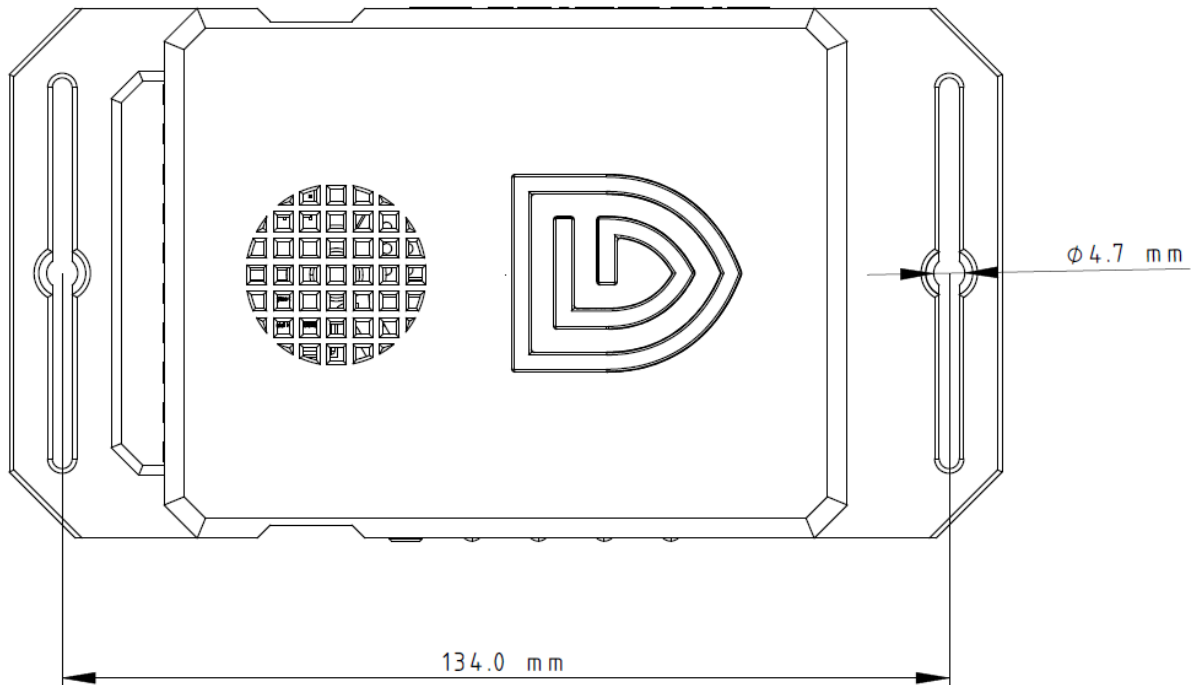
**Antenna**: PCB Antenna

## Description of Parts



## Installation

- PinPoint Master Beacon 2.0 can be installed on walls or ceilings, depending on your coverage requirements.
- PinPoint Master Beacon 2.0 has 2 mechanical holes (see the image below) for easier installation.
- Do not overtighten the screws of the Master Beacon units.

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**Note:** For optimal Bluetooth signal performance, it is recommended that the device be mounted in accordance with the instructions provided in the accompanying image.

highest gain

Y(90°)

X(0°)
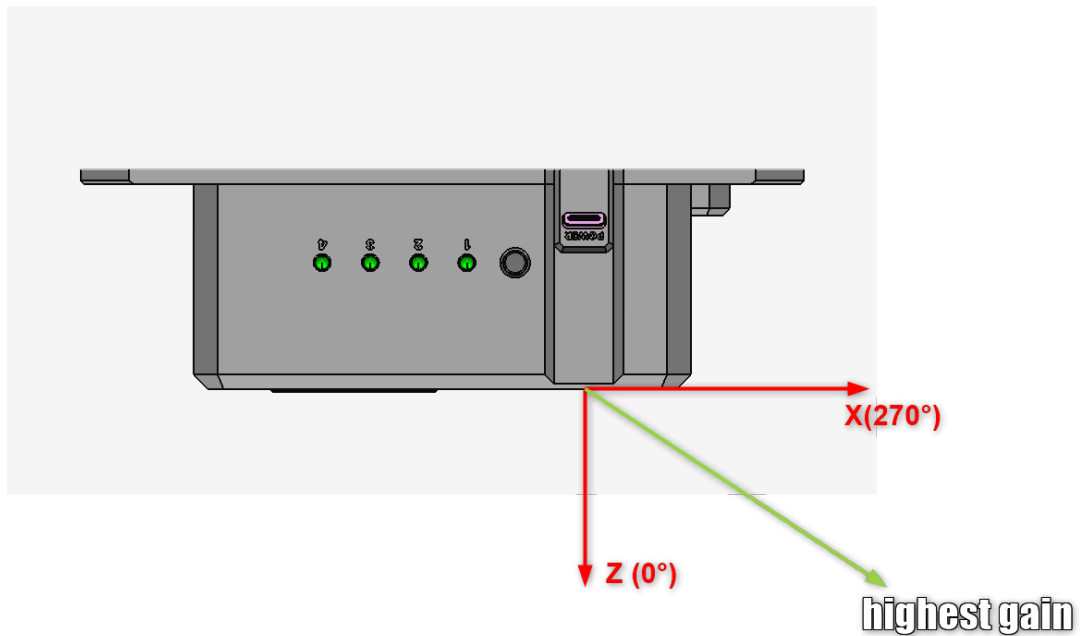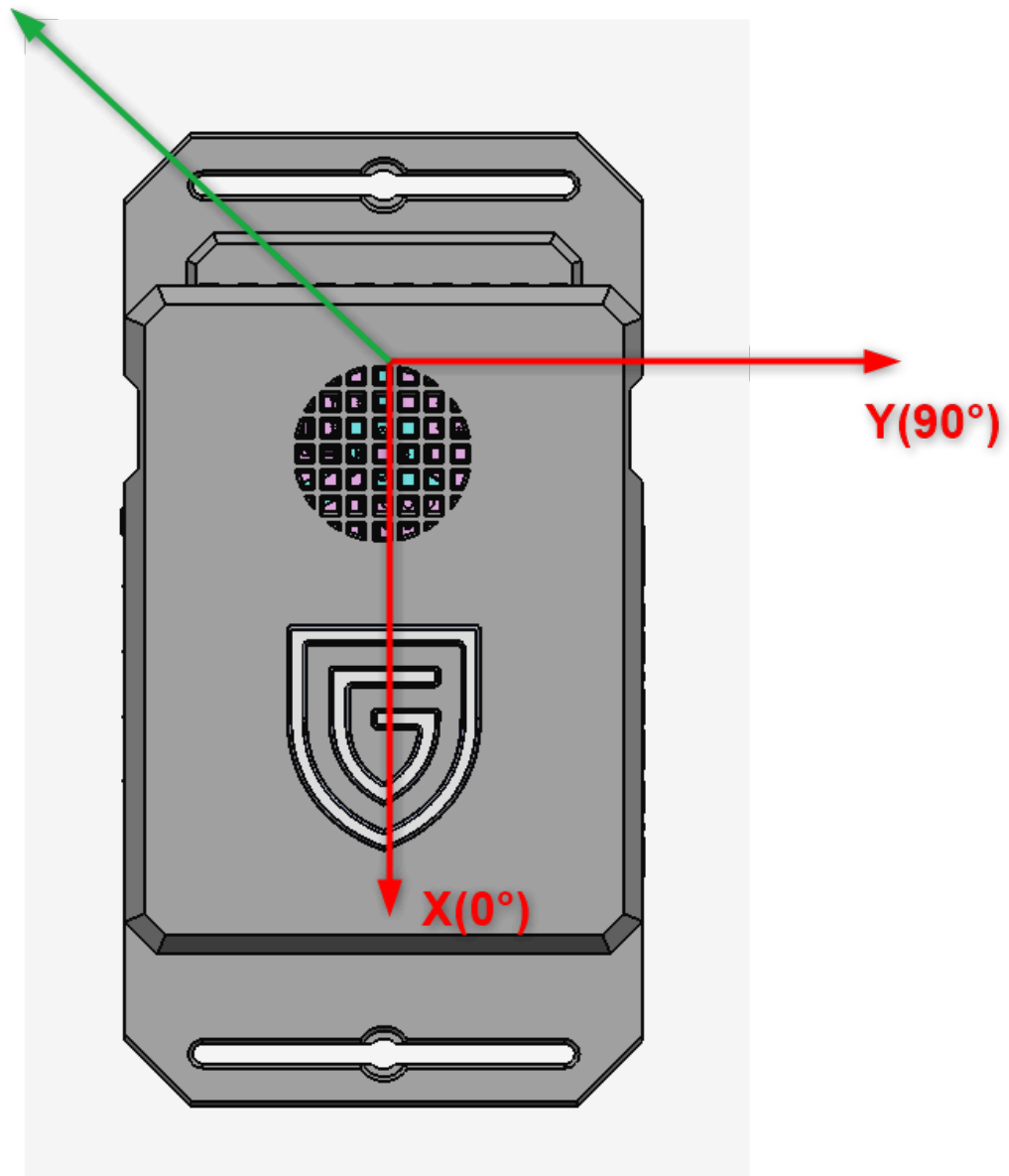
# Getting Started and Operation

Go to https://pinpoint.geocomply.com/docs/v3.0/overview to get started with the PinPoint Master Beacon 2.0, including software installation and configuration.

# Warranty and Support

The PinPoint Master Beacon 2.0 hardware is warranted for **two years** from the date of purchase. GeoComply does not warrant against everyday wear and tear, nor damage caused by accident or abuse. To obtain service, call GeoComply Customer Support.

# Regulatory Compliance Information

## 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.

**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, you are 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.

- If the equipment is connected to an outlet, connect it to an outlet on a circuit different from that to which the receiver is connected.
- Consult us or an experienced radio/TV technician for help.

Changes or modifications to this product not authorized by GeoComply could void the electromagnetic compatibility (EMC) and wireless compliance and negate your authority to operate the product.

This product has been tested for EMC compliance under conditions that included the use of compliant peripheral devices and/or shielded cables between system components. It is crucial to use compliant peripheral devices and/or shielded cables between system components to reduce the possibility of causing interference to radio communications, televisions, and other electronic devices.

To maintain compliance with FCC's RF Exposure guidelines, this equipment should be installed and operated within a minimum 20cm distance between the radiator and your body. Use only the supplied antenna.

# ISED Canada Compliance

This device complies with ISED 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.

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.

# ISEDC Radiation Exposure Statement

This equipment complies with ISEDC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.

Cet équipement est conforme avec ISEDC les limites d'exposition aux rayonnements définies pour un contrôlé environnement.

Cet émetteur ne doit pas être co-localisés ou fonctionner en conjonction avec une autre antenne ou émetteur.

Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.

# Disposal and Recycling Information
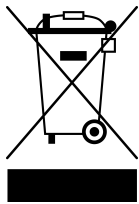
This product should not be disposed of with household waste. When you decide to dispose of this product, do so in accordance with local environmental laws and guidelines.