

Place Sticker (™) Manual

CAUTION

- The hardware and software described in this document are subject to change without notice.
- Don't convert at all.

Place Sticker (™) is a high-accuracy and low-power consumption indoor location detection infrastructure using wireless LAN technology. Place Sticker works with AC power or battery. Place Sticker has unique style of antenna optimized for location detection; so that easy to control signal spreading area.

1. How to install

Place Sticker has 3 parts. The body and the power supply and the antenna. When you install Place Sticker, you may hide the body and the power supply, but you must expose the antenna. The front of the antenna has Place Sticker logo. You must lay the antenna face up.

2. Where you use

Place Sticker works typically in the places where GPS does not work such as indoor or underground. (e.g. convention center, museum). It is designed for indoor, so you cannot use outside.

3. What you need

You need Place Sticker and wireless LAN available Android devices which have been already installed application for Place Sticker. iPhone version is under study.

4. How it works

The beacons from the Place Sticker transmit their location ID as wireless LAN signal. A smartphone receive the signal and calculate its position.

5. Location detection type

Typically, 2 type of installation.

= Hotspot detection: 1 cell for each target

= Area detection: every 3m-10m approximately. It depends on the accuracy you need.

6. Degree of accuracy (in terms of detection resolution)

You can detect about 1m pitch object by using hotspot detection. It depends on the setting and wireless LAN environment.

7. Wireless LAN radio standards

Place Sticker uses 2.4GHz.

8. Wireless LAN channel

Any channels (1-11ch)

9. How long the duration

Depending on the Place Sticker setting. normally, durable for over 1 week with 2 AA batteries.

10. How long does it take to calculate location

It depends on the term of wireless LAN detection of the device.

As for Place Sticker, the main part and the antenna have been independent, and it guarantees performance in an antenna part.

Therefore, in the attachment to the case of a main part, it is not influential.

INSTALLATION

Assembling sequence for attaching a main part to a case

1. A main part and a pedestal are firmly fixed by screw clamp etc.
2. The main part which attached the pedestal is attached to a case so that it may not be shaky.
3. The electric supply should use an attached connector.
The suitable hole for a case is made and it connects with the exterior.
4. The antenna should use an attached antenna cable.
The suitable hole for a case is made, an antenna cable is taken out to through and an antenna is taken out outside.
5. Please shut a lid and keep a main part from being exposed.

CAUTION: An antenna cable and the terminal area must not be treated carefully, and must not apply rapid power.

Federal Communications Commission (FCC) Compliance Notice:

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

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

Please describe the following item on the host device of the this product:

Contains Transmitter Module FCC ID: QXMPS4 or Contains FCC ID: QXMPS4

FCC WARNING

- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).
- Don't install this device at the place where the same people will stay near. It should be avoided the distance that is shorter than 20cm and the time that is longer than six minutes.