

SAILS Beacon



MagicNode
藍牙魔術點



User Manual
產品使用手冊



Product Description

SAILS Magic Node is a low cost, low profile, and easy-to-install smartphone indoor positioning infrastructure unit using bluetooth low energy technology (BLE). It support both for iOS and Android 4.3 above devices. With a indoor locating builder app called **BuildNGO™** installed on your phone (can download both from Google Play & App Store), users can use the app to record BLE RSS signal broadcasted by multiple Magic Node and create their own indoor location environment.

產品介紹

帆船室內定位魔術點是一款便宜、輕巧、且方便安裝的手機室內定位發射器，使用最新低功耗藍牙技術(**Bluetooth 4.0**)，可同時支援 **Apple iOS**與**Google Android 4.3**以上機種。搭配安裝**帆船電磁場佈建軟體 BuildNGO**在手機中(可從 **Google play & App Store**下載)，使用者可以擷取多個**Magic Node**的**BLE**訊號，輕鬆建立室內定位環境在室內場域中。

SPECS

- **Model Name:** MN-S02
- **Technology:** Bluetooth 4.0
- **Coverage:** about 40 m²
- **Power Source:** changeable CR2477 coin battery X1 (at least 2 years usage life time)
- **Size:** 69.8mm (diameter) 22.8mm (thick)
- **Support Devices:** Supports BOTH Android (> 4.3) and iOS (above iphone 4s / ipad III / ipad mini)
- **Temperature Range:** -15 ~ 65 °C
- **Color:** Black / White

產品規格

- **產品型號:** MN-S02
- **無線技術:** 藍牙4.0
- **有效覆蓋範圍:** 約 40 m²
- **電源:** CR2477 鈕扣電池X1 (壽命2年)
- **尺寸:** 69.8mm (直徑) 22.8mm (厚度)
- **支援系統:** Supports BOTH Android (> 4.3) and iOS (above iphone 4s / ipad III / ipad mini)
- **適用溫度:** -15 ~ 65 °C
- **顏色:** 黑 / 白

Package Contents

1. MagicNode X 5
2. User Manual X1
3. Screws X 10

內容物

1. 魔術點 X 5
2. 使用說明書 X1
3. 螺絲 X 10

How To Install

1. Turn on the base, pull the battery insulation sheet.
2. Basically, Magic Node will place on the ceiling or higher position of the wall. Please make sure there were any RF obstructions near the position you want to install. If yes, please get rid of these obstructions or choose another install position on the ceiling.
3. Lock the base on the ceiling by accompanying screws in the package.
4. Connect body to base and complete install.

如何安裝

1. 旋開底座，將電池絕緣片拔出。
2. 魔術點主要都裝設在天花板上或牆壁的高點，請先確認欲安裝的位置周遭是否有太多金屬物與牆壁阻擋訊號輻射，若有疑慮請先排除阻擋物，或選擇其他安裝位置。
3. 用包裝所附的螺絲將底座鎖在天花板上。
4. 將主體與底座旋合，完成架設。

Online Resource

Support Site: support.sailstech.com

SAILS Cloud: cloud.sailstech.com

SAILS Blog: blog1.sailstech.com

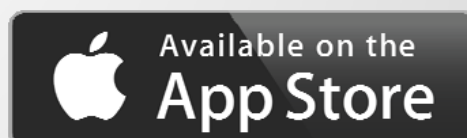
線上資源

技術支援: support.sailstech.com

帆船雲端: cloud.sailstech.com

帆船部落格: blog1.sailstech.com

BuildNGO Download



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FCC Statement

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 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.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

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

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.

NCC 聲明

• 第十二條

經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

• 第十四條

低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信法規定作業之無線電通信。

低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。



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