

# Alfa-USB

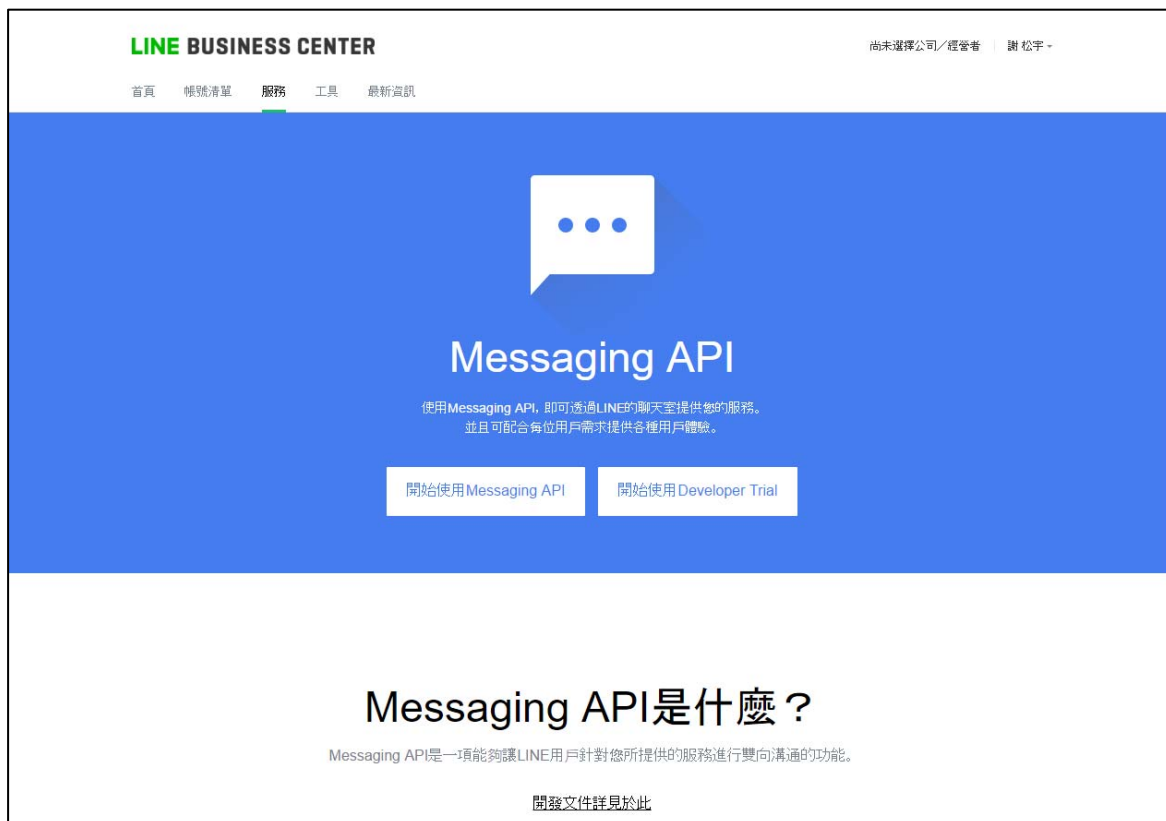
NRF52832



## 一. Pair with the ibeacon device

### 1. Register a developer account

Go to **LINE BUSINESS CENTER** website register a developer account (developer Trail) :(<https://business.line.me/zh-hant/services/bot>)



The screenshot shows the LINE BUSINESS CENTER website. The header includes the logo and navigation links: 首頁, 帳號清單, 服務, 工具, 最新資訊. The main content area has a blue background with a white speech bubble icon containing three dots. Below the icon, the text reads "Messaging API" and "使用 Messaging API, 即可透過 LINE 的聊天室提供您的服務。並且可配合每位用戶需求提供各種用戶體驗。" There are two buttons: "開始使用 Messaging API" and "開始使用 Developer Trial". Below this, a section titled "Messaging API是什麼?" explains that it allows for bidirectional communication with LINE users. A link "開發文件詳見於此" is provided at the bottom.

### 2. Register the device

After registered, go to **LINE@MANAGER** management page register the device :(<https://admin-official.line.me/beacon/register#/>)



The screenshot shows the LINE@MANAGER management page. The header includes the logo and user information: Eric Hsieh 先生 / 小姐 登出. The main content area has a white background with a green sidebar on the left labeled "選擇使用帳號". The main content area has two sections: "ビーコン端末とbotの連携" and "LINE Simple BeaconのHWIDの払い出し". The first section explains that you can link your LINE Beacon and bot account. The second section explains that you can register the HWID of your LINE Simple Beacon to the platform and use it to register your LINE-compatible beacon device.



### 3. Login account

Find out the code which have produce info refer to the manual ,and input the HWID and Password



## 二. How to use ibeacon

### 1. Open the System manual

Refer to the official documents,  
please visit here :<https://devdocs.line.me/en/>

According to the developer manual, then set the device.  
Please visit here: <https://devdocs.line.me/en/#line-beacon>

## 2. Setting the ibeacon as below



## 三.About Alfa-USB

Alfa-USB	
<b>Bluetooth chip</b>	NRF52832AA
<b>Size</b>	22.22mm*16.14mm*4.52mm
<b>Weight</b>	2g
<b>Meterial</b>	ABS
<b>Other</b>	Waterproof
<b>Color</b>	Black , green white
<b>Protocol</b>	Bluetooth 4.0 , iBeacon

#### 四. Alfa-USB hardware features

Name	Parameter	
<b>Voltage</b>	5.0VDC	
<b>TX power</b>	0dBm	-30~4dBm
<b>Frequency</b>	500ms	100~2000ms
<b>Sleep power</b>	12uW	
<b>Sleep current</b>	2uA	
<b>Support</b>	iOS7.0+/Andriod 4.3+	
<b>OTA</b>	Yes	
<b>Security</b>	Password security	
<b>Distance</b>	0-60m(in the open air)	Range
<b>Battery life</b>	12--24 month	Broadcast interval

#### 五. Alfa-USB support system

Support	Phone device
<b>iOS 7.0 above</b>	iPhone 4S,iPhone 5, iPhone 5S,iphone 6, iPhone 6p,iPad 3, iPad mini, iPad air ect.
<b>Android 4.3 above</b>	Samsung Galaxy S III, Galaxy S IV, Galaxy Note II, Galaxy Note III and Motorola Razr, HTC One ect.

#### 六. User Applications

First the User must open the Bluetooth setting and when the user in the range of the Beacon. The Line app will got notice or a message . This technology can use for sent the coupon : when the client(customers) come to the store . The phone wil will a message from Line , the message will include advertisement and Text coupon and other informations

## 七. Alfa-USB firmware Setting

Parameter	Name	Value
<b>UUID</b>	Device ID	FDA50693-A4E2-4FB1-AFCF-C6EB07647825
<b>Major</b>		0-65535(default: 10032)
<b>Minor</b>		0-65535(default: )
<b>Transmission Power</b>		-30~4dBm(default: 0dBm)
<b>Change Password</b>		5bytes (default : AA14061112)
<b>Broadcasting Interval</b>		100-2000ms (default: 500ms)
<b>Serial ID</b>		0-65535
<b>iBeacon Name</b>		1-14 bytes, default: holyiot
<b>Connection Mode</b>		is_connect(0/1)
<b>Soft Reboot</b>		Default password: AA14061112
<b>Battery Service</b>		Battery level

## **FCC 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. (2) This device must accept any interference received, including interference that may cause undesired operation.

## **Warning:**

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.

**WARNING:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## **About us**

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