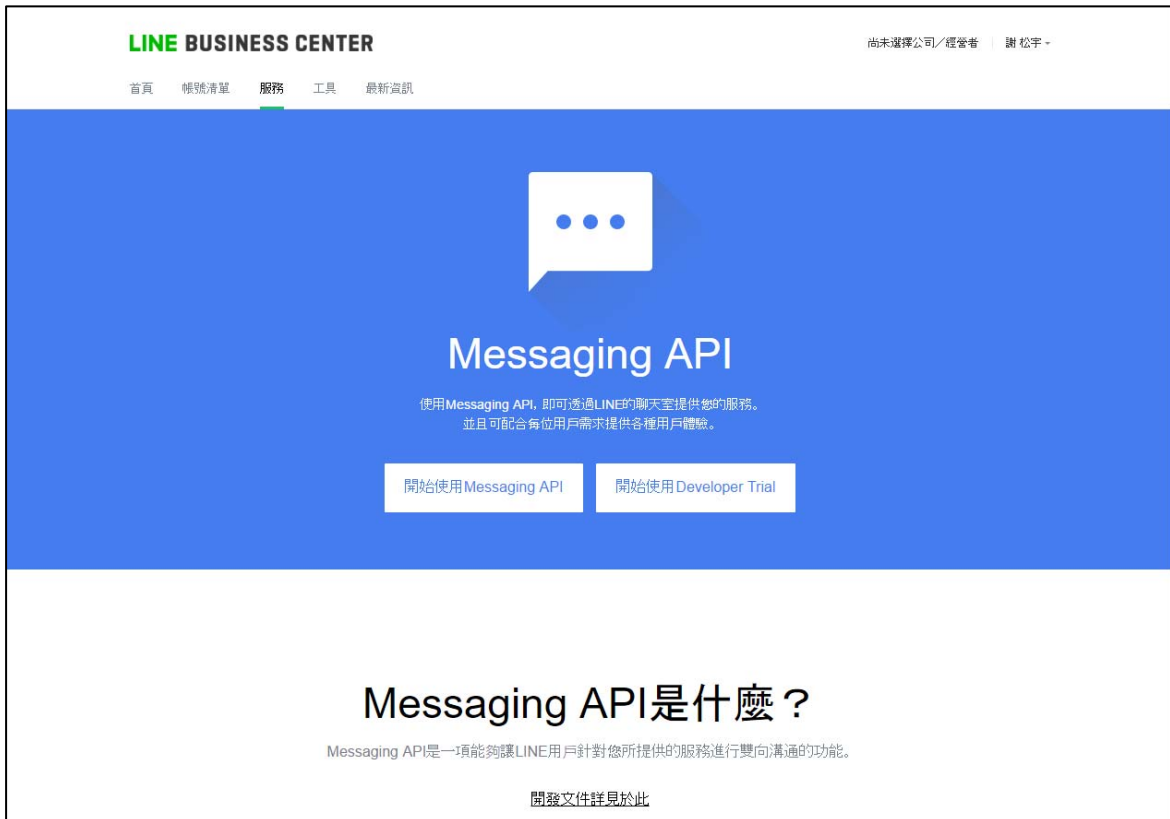


Alfa-AA

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 'Messaging API' is displayed. A paragraph explains that using the Messaging API allows developers to provide services through LINE chat rooms and offers various user experiences. Two buttons are present: '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 is a function for two-way communication between LINE users and services. 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 left sidebar has a link '選擇使用帳號'. The main content area has a green header 'ビーコン端末とbotの連携'. Below it, a paragraph states that users can connect their LINE Beacon and bot accounts. A second green header 'LINE Simple BeaconのHWIDの払い出し' is shown, followed by a paragraph explaining that users can retrieve the HWID registered on the LINE Beacon Platform and use it to connect to various BLE packets for development.

LINE@ MANAGER		Eric Hsieh 先生 / 小姐 登出				
選擇使用帳號	<h3>アカウント一覧</h3> <p>ビーコン端末と紐付けるアカウントを選択してください。 APIについてはこちらのレファレンスをご参照ください。</p> <table border="1"> <thead> <tr> <th>アカウント</th> <th>選択</th> </tr> </thead> <tbody> <tr> <td>  Alfa-TEST </td> <td> <input type="button" value="選択"/> </td> </tr> </tbody> </table>		アカウント	選択	 Alfa-TEST	<input type="button" value="選択"/>
アカウント	選択					
 Alfa-TEST	<input type="button" value="選択"/>					

3. Login account

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

LINE@ MANAGER		Eric Hsieh 先生 / 小姐 登出						
選擇使用帳號	<h3>アカウント連携</h3> <p>ビーコン端末とアカウントの連携が可能です。</p> <table border="1"> <tbody> <tr> <td>アカウント名</td> <td>Beacon Test</td> </tr> <tr> <td>端末ID</td> <td> <p>端末に記載されている端末IDを入力して下さい。</p> <input type="text" value="1234567890"/> </td> </tr> <tr> <td>パスコード</td> <td> <p>端末に記載されているパスコードを入力して下さい。</p> <input type="text" value="1234-5678-9012"/> </td> </tr> </tbody> </table> <div> <input type="button" value="戻る"/> <input type="button" value="連携する"/> </div>		アカウント名	Beacon Test	端末ID	<p>端末に記載されている端末IDを入力して下さい。</p> <input type="text" value="1234567890"/>	パスコード	<p>端末に記載されているパスコードを入力して下さい。</p> <input type="text" value="1234-5678-9012"/>
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二. How to use ibeacon

1. Open the System manual

Refer to the offical 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	
Bluetooth chip	NRF52832AA
Size	22.22mm*16.14mm*4.52mm
Weight	2g
Meterial	ABS
Other	Waterproof
Color	Black , green white
Protocol	Bluetooth 4.0 , iBeacon

四. Alfa-USB hardware features

Name	Parameter	
Voltage	3.0VDC	
TX power	0dBm	-30~4dBm
Frequency	500ms	100~2000ms
Sleep power	12uW	
Sleep current	2uA	
Support	iOS7.0+/Andriod 4.3+	
OTA	Yes	
Security	Password security	
Distance	0-60m(in the open air)	Range
Battery life	12--24 month	Broadcast interval

五. Alfa-USB support system

Support	Phone device
iOS 7.0 above	iPhone 4S,iPhone 5, iPhone 5S,iphone 6, iPhone 6p,iPad 3, iPad mini, iPad air ect.
Android 4.3 above	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
UUID	Device ID	FDA50693-A4E2-4FB1-AFCF-C6EB07647825
Major		0-65535(default: 10032)
Minor		0-65535(default:)
Transmission Power		-30~4dBm(default: 0dBm)
Change Password		5bytes (default : AA14061112)
Broadcasting Interval		100-2000ms (default: 500ms)
Serial ID		0-65535
iBeacon Name		1-14 bytes, default: holyiot
Connection Mode		is_connect(0/1)
Soft Reboot		Default password: AA14061112
Battery Service		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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable condition without restriction.

About us

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