



HFS-U100 Setting Manual



Contents

1. Introduction	3
2. HFS-U100	4
3. Hardware Specifications	5
4. Positioning Your Scanner	6
5. Getting Started	7
6. Locating Your Scanner	8
7. Configuring Your Scanner	11
8. FAQ	14
9. Disclaimer	15

Introduction

Purpose of the document

This document provides basic guidelines for our customers, support and usage of the products designed by HelloFactory.

HFS-100 is compatible with 802.11 a/b/g devices and 2.4 GHz networks. The present document describes the basic setting needed to connect to your Wi-Fi router.

Scope

The scope of this document is to provide software description and general guideline of the HFS-100 Beacon Scanner.

Audience

This document is intended for customers integrating HelloFactory's HFS-100 Beacon Scanner in their projects.

Contact Information

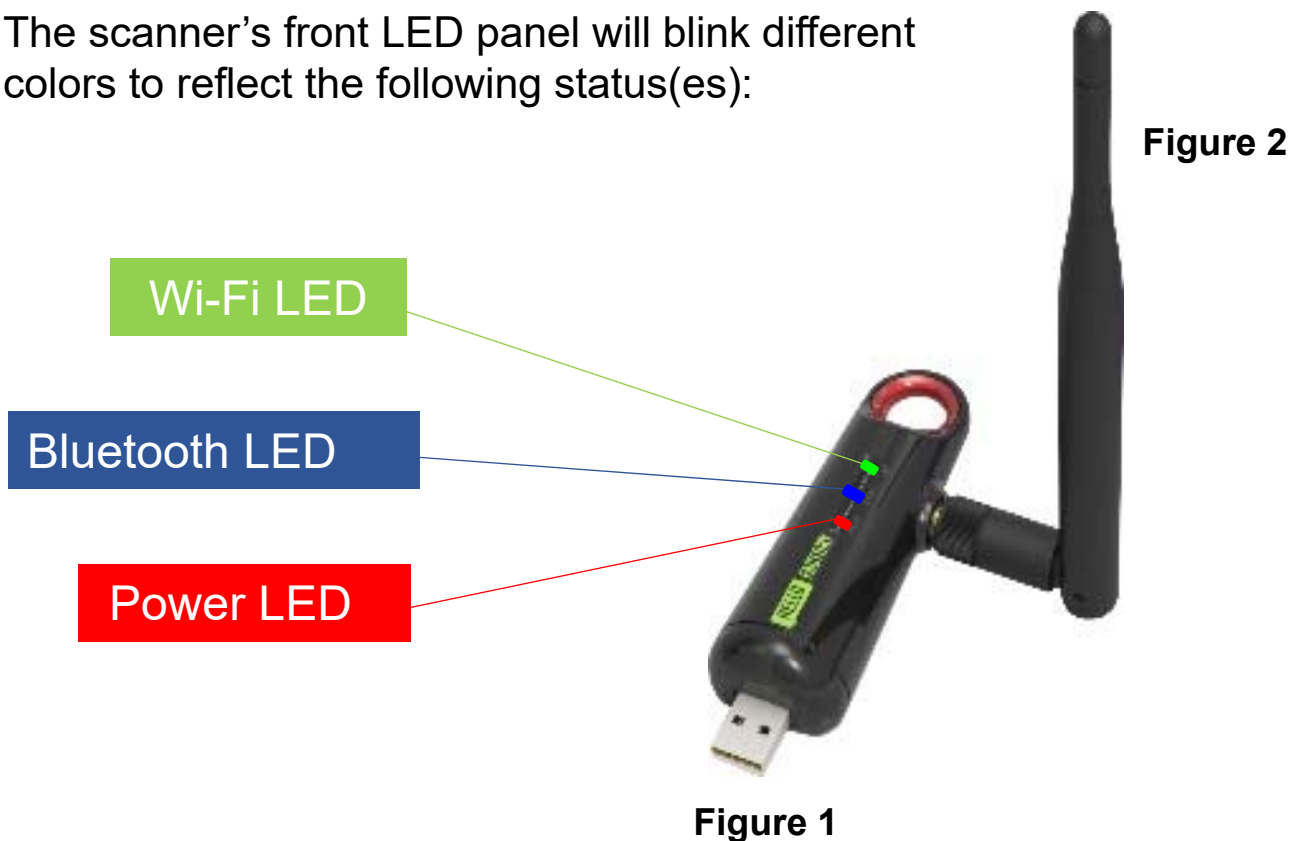
For general contact or technical support, please contact us at: www.hellofactory.co.kr or info@hellofactory.co.kr.

HFS - U100

Before you setup your scanner, take a moment to become familiar with the LEDs on the front panel.

Front and Side Panel

The scanner's front LED panel will blink different colors to reflect the following status(es):



Your box contains the following items:

- 1) HFS-100 Scanner
- 2) 3db Antenna (Changeable)

If any parts are incorrect, missing or damaged, please contact HelloFactory. Keep the carton and original packing materials in case you need to return the product for repair.

Hardware Specifications

Bluetooth	Power	Signal Type	Range
Nordic nRF 51822 2EA (Contral Mode 1EA Peripheral Mode 1EA)	USB Type A (5V DC 350mA)	Receive : iBeacon, Eddystone UID, Eddystone TLM Send : iBeacon, Eddystone URL	Max 80m
Wi-Fi	Antenna Type	Accessory (Option)	Spec.
IEEE 802.11 b/g/n Support	SMA Female External & Changeable	Ethernet Connecter USB Charger	Size: 90 x 30 x 25(mm) Storage Temp : -30°C~+70°C Working Temp : -20°C~+60°C

FCC Compliance Statement

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.

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

To comply with RF exposure compliance requirements, the antenna used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Positioning Your Scanner

HFS-U100 is a beacon scanner that scans for Bluetooth signals and data, which is then sent to a designated server via our built-in WiFi module. However, the operating distance or range of your wireless connection can vary significantly depending on the physical placement of your scanner.

For example, the thickness and number of walls the wireless signal passes through can limit the range.

For best results, place your scanner:

- Near the WiFi Router, and preferable within line of sight.
- Away from electrical devices that are potential sources of interference. Equipment that might cause interference include ceiling fans, home security systems, microwaves, computers, the base of a cordless phone, or a 2.4 GHz cordless phone.
- Away from any large metal surfaces, such as a solid metal door or aluminum studs. Large expanses of other materials such as glass, insulated walls, fish tanks, mirrors, brick, and concrete can also affect your wireless signal.
- In a fixed position, preferably in a high open location. HFS-U100 is NOT intended to move nor operate in a portable state, as service can be disrupted or non-operational.

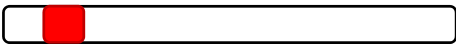
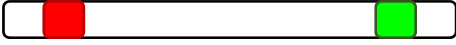

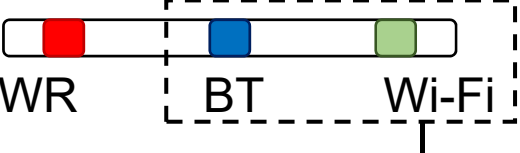
Getting Started

Installing Your Scanner

1. Plug HFS-U100 into a USB plug adapter and/or power source.
2. Check HFS-U100's PWR LED light.
3. Open the HF Setting App via smartphone.



LED Scenario

1. Powered On

PWR BT Wi-Fi
2. WiFi (AP) Connected

PWR BT Wi-Fi
3. BT Signal Received

PWR BT Wi-Fi
4. Data Transmitted

PWR BT Wi-Fi
Blinking

Locating Your Scanner



**HF Setting App will be provided **

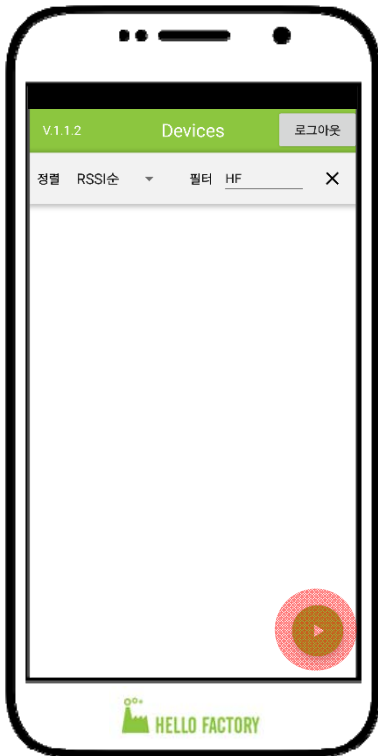
1. Install and Open the HF Setting App on your smartphone.



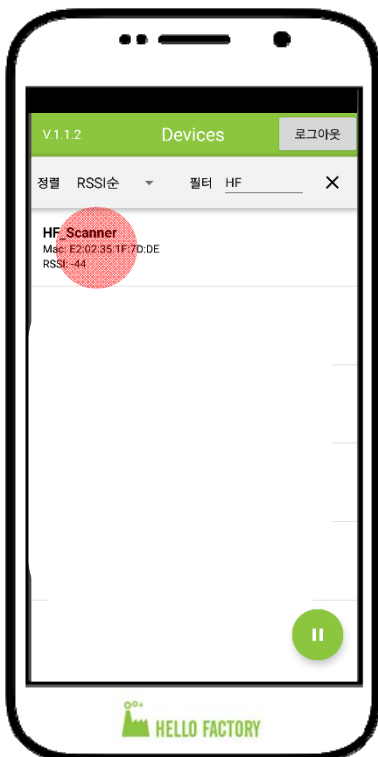
ID & Password will be provided

2. Input your ID & password.

Locating Your Scanner

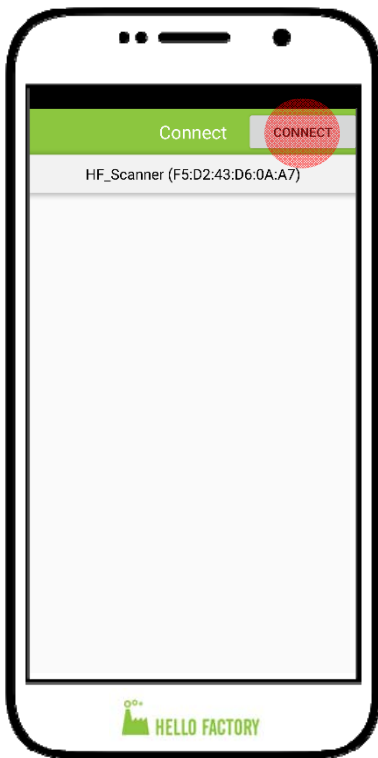


3. Touch the “Play” button at the lower right corner to start scanning for devices.



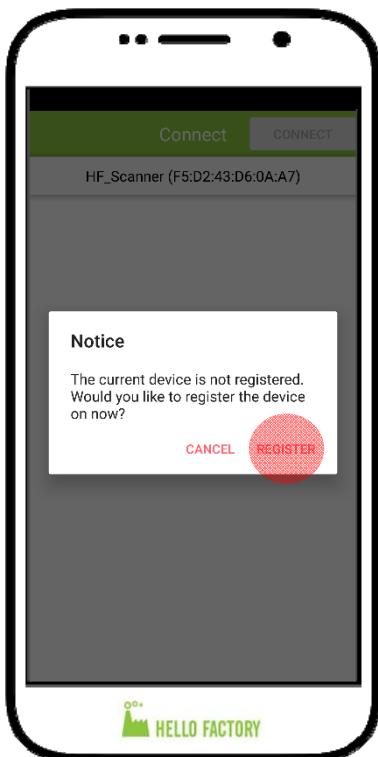
4. Touch the scanner to start pairing mode.

Locating Your Scanner



5. Touch the “Connect” button on the upper right corner.

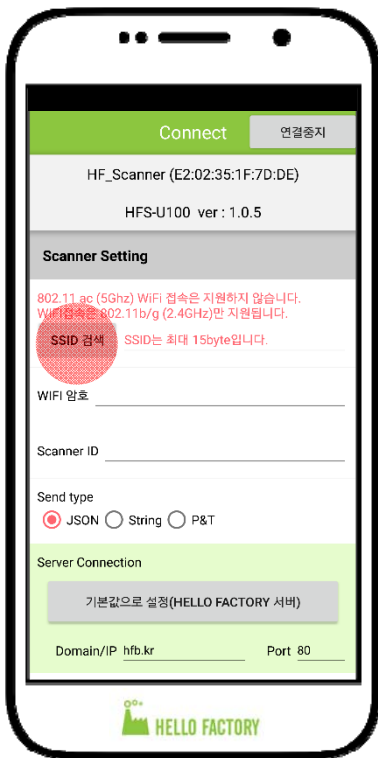
If the scanner cannot connect, please plug out the scanner, replug your scanner into the power source and resume from Step 3.



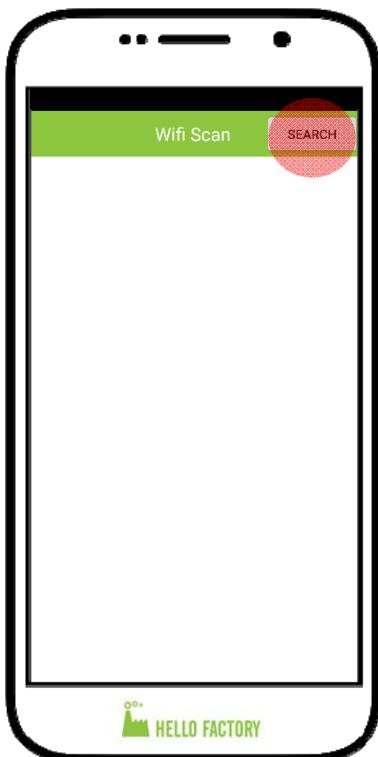
6. Touch the “Register” button.

Your scanner will be registered to your account and will not be accessible to any other accounts.

Configuring Your Scanner

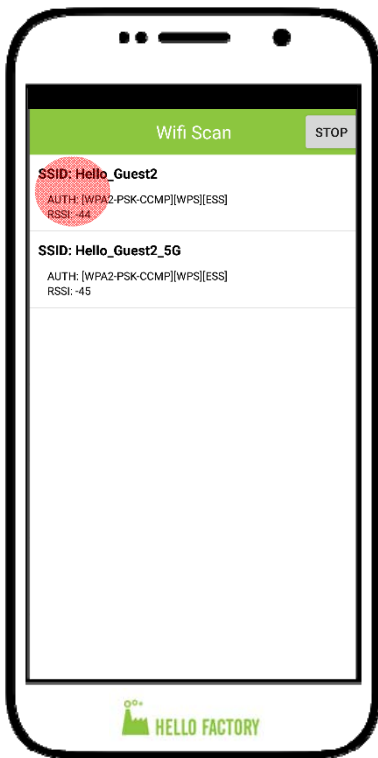


7. Touch the “Scan SSID” button to connect to your WiFi.



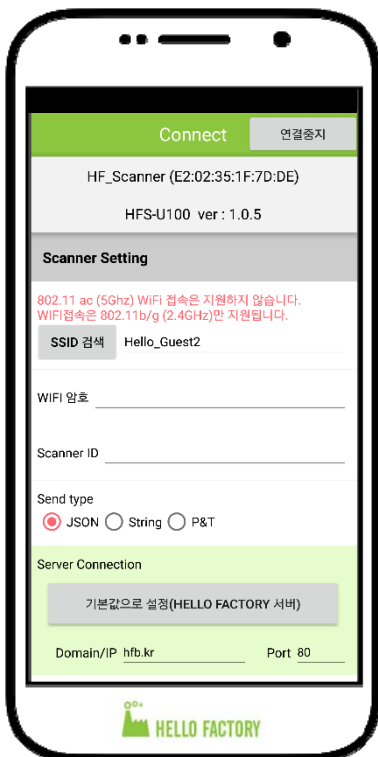
8. Touch the “Search” button on the upper right corner to search.

Configuring Your Scanner



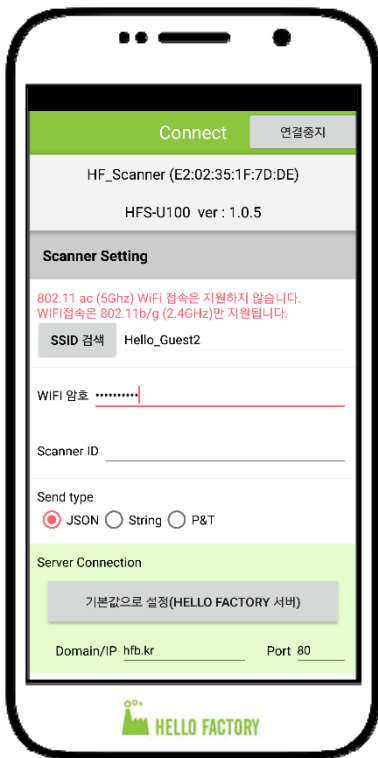
9. Select the WiFi network to connect.

When selecting a WiFi network be sure to choose 2.4 GHz frequency network. 5Ghz WiFi is NOT supported.

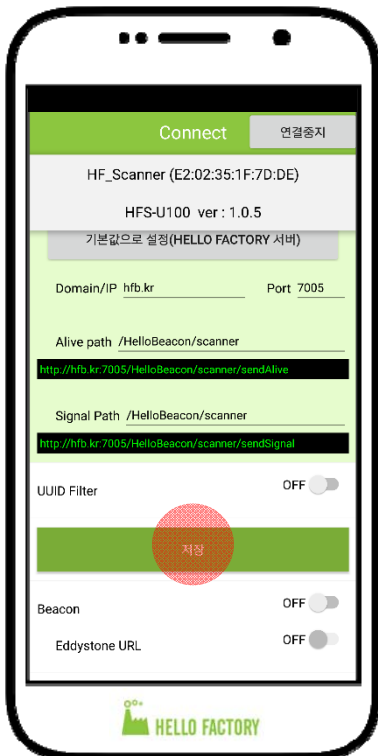


10. Check to confirm the selected WiFi SSID.

Configuring Your Scanner



11. Input your WiFi password.



12. After configuring your settings, touch the “Save” button.

FAQ

Q1. I cannot locate the scanner device.

A1. Please unplug the scanner and replug it back into a power source.

Q2. I cannot connect to my WiFi SSID.

A2. Please check your network router or connection. If need be, reset your router.

Q3. What do I need to register the scanner?

A3. The scanner will pair your account and identify the scanner through its MAC Address. This is to prevent any security issues of your scanner being used by a different account.

Q4. I forgot my ID / password. What should I do?

A4. Please contact your HelloFactory representative.

Q5. My antenna is broken. Can I buy just the antenna?

A5. Yes. Please contact your HelloFactory representative to inquire about purchasing a replacement.

For any other questions, please feel free to contact us at: www.hellofactory.co.kr or info@hellofactory.co.kr .

Disclaimer

The information contained in this document is the proprietary information of **HelloFactory Co., Ltd.** The contents are confidential and any disclosure to persons other than the officers, employees, agents or subcontractors of the owner or licensee of this document, without the prior written consent of **HelloFactory**, is strictly prohibited.

HelloFactory makes every effort to ensure the quality of the information it makes available. Notwithstanding the foregoing, **HelloFactory** does not make any warranty as to the information contained herein, and does not accept any liability for any injury, loss or damage of any kind incurred by use of or reliance upon information.

HelloFactory disclaims any and all responsibility for the application of the devices characterized in this document, and notes that the application of the device must comply with the safety standards of the applicable country, and where applicable, with the relevant wiring rules.

HelloFactory reserves the right to make modifications, additions and deletions to this document due to typographical errors, inaccurate information, or improvements to programs and/or equipment at any time and without notice. Such changes will, nevertheless be incorporated into new editions of this application note.

CAUTION

A minimum separation distance of 20 cm must be maintained between the antenna and the person for this appliance to satisfy the RF exposure requirements.

HFS-U100 should be operated in a fixed position. Typically, in a high open location for best optimal use. This allows a steady connection and removes any restrictions or blockage.

As such, the manual states that HFS-U100 is NOT intended for any portable use. HFS-U100 needs to have a constant WIFI connection for its operation. Any movement will limit or disable the service use of HFS-U100.

Disclaimer

Copyright: Transmittal, reproduction, dissemination and/or editing of this document as well as utilization of its contents and communication thereof to others without express authorization are prohibited. Offenders will be held liable for payment of damages. All rights are reserved.

- **Contains Transmitter Module**
- **FCC ID: 2AC7Z-ESPWROOM02**



www.hellofactory.co.kr