User Manual

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HFB-C300 Setup & User Manual

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Introduction

Purpose of the document

This document provides a basic guideline for customers to support the application and engineering efforts that use the products designed by HelloFactory.

Scope

The scope of this document is to provide software description and general guideline of the HFS-C300 Beacon device.

Audience

This document is intended for customers integrating HelloFactory's HFS-C300 Beacon Scanner in their projects.

Contact Information

For general contact, technical support, reporting of documentation errors and/or to order manuals, please contact us at: http://www.hellofactory.co.kr

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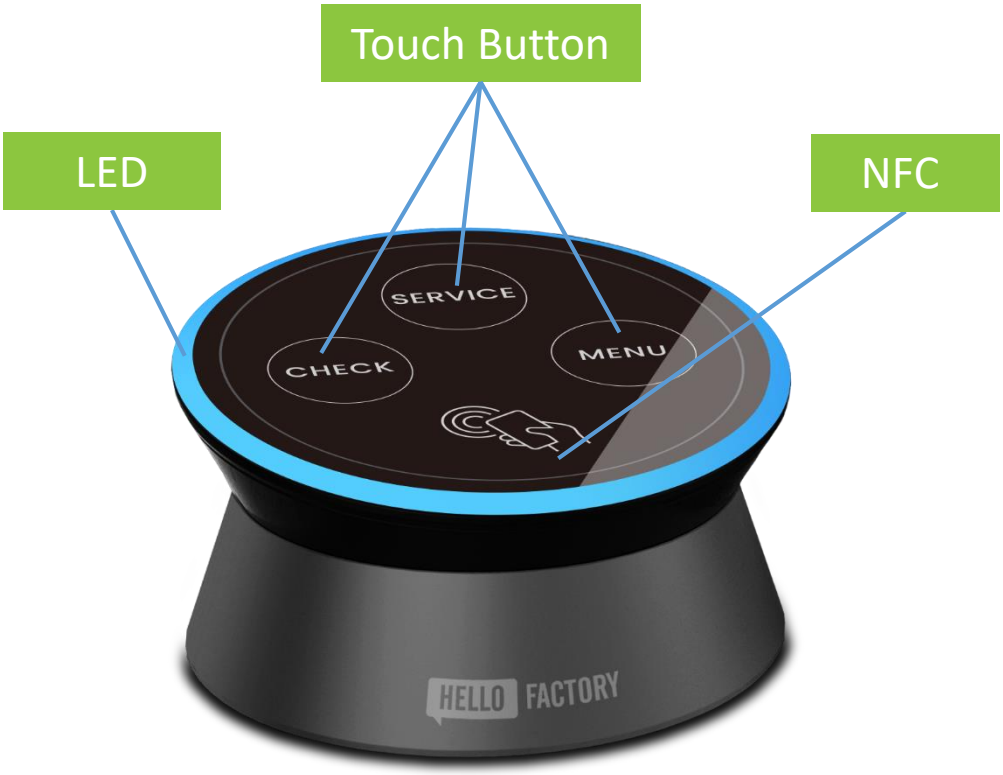
Hardware Features

1

Front Panel



LED Touchpad
Touch sensitive interface with 3 buttons that light up.

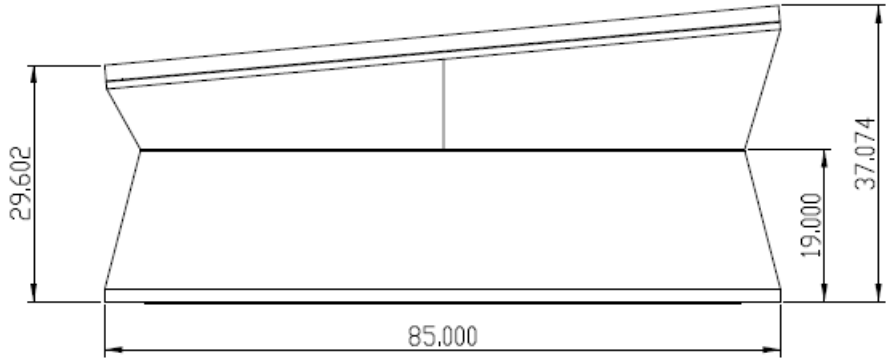
NFC Support
Virtual App automatically syncs when tagging Smart Devices.

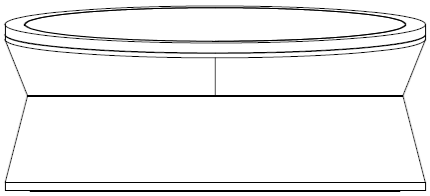
High Grade Materials
Waterproof Touchpad bell with an Aluminum base.

- Up to 2 years Battery Life
- 220 yard Range Support (Max)
- iBeacon & Eddystone Dual Support
- Replaceable Battery (2x AA) 3100mA

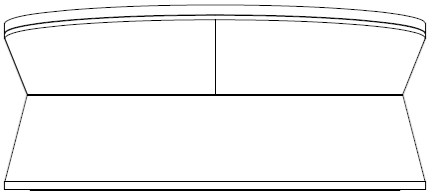
If any parts are incorrect, missing, or damaged, contact your HelloFactory dealer. Keep the carton and original packing materials in case you need to return the product for any repairs.

Size Specification

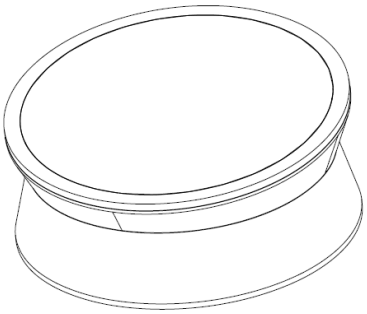




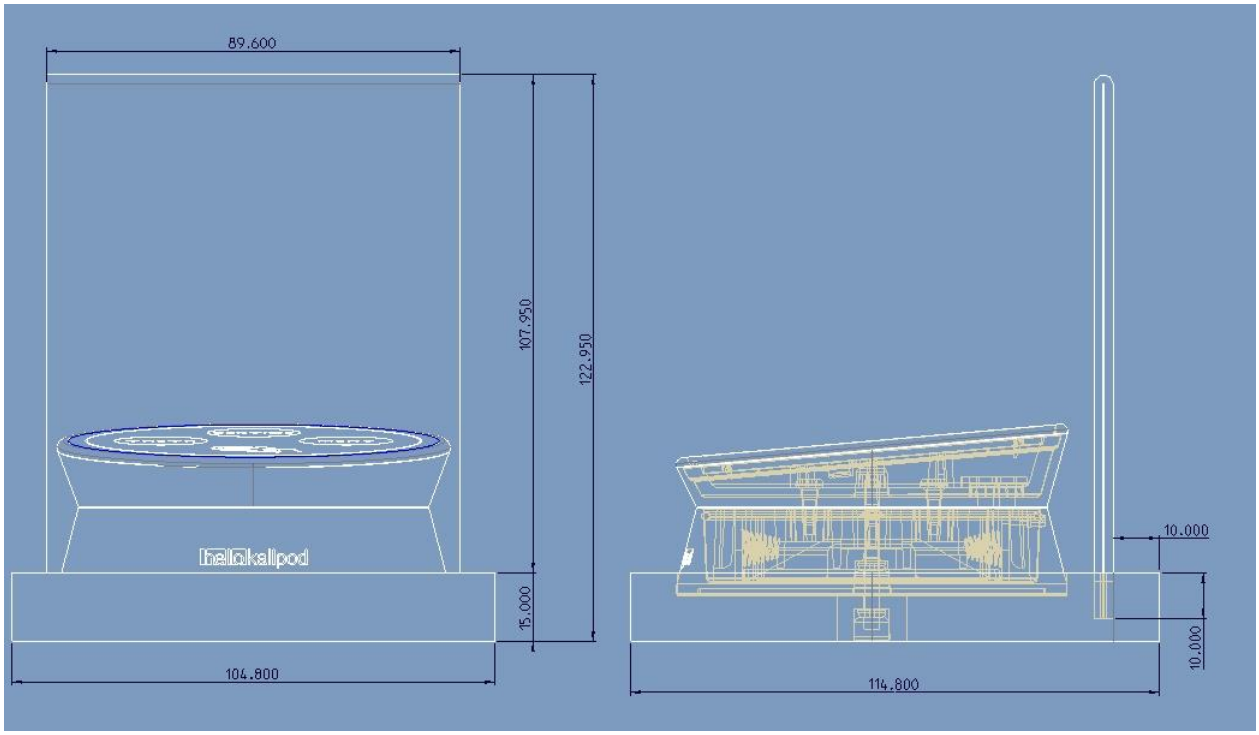
Front



Rear

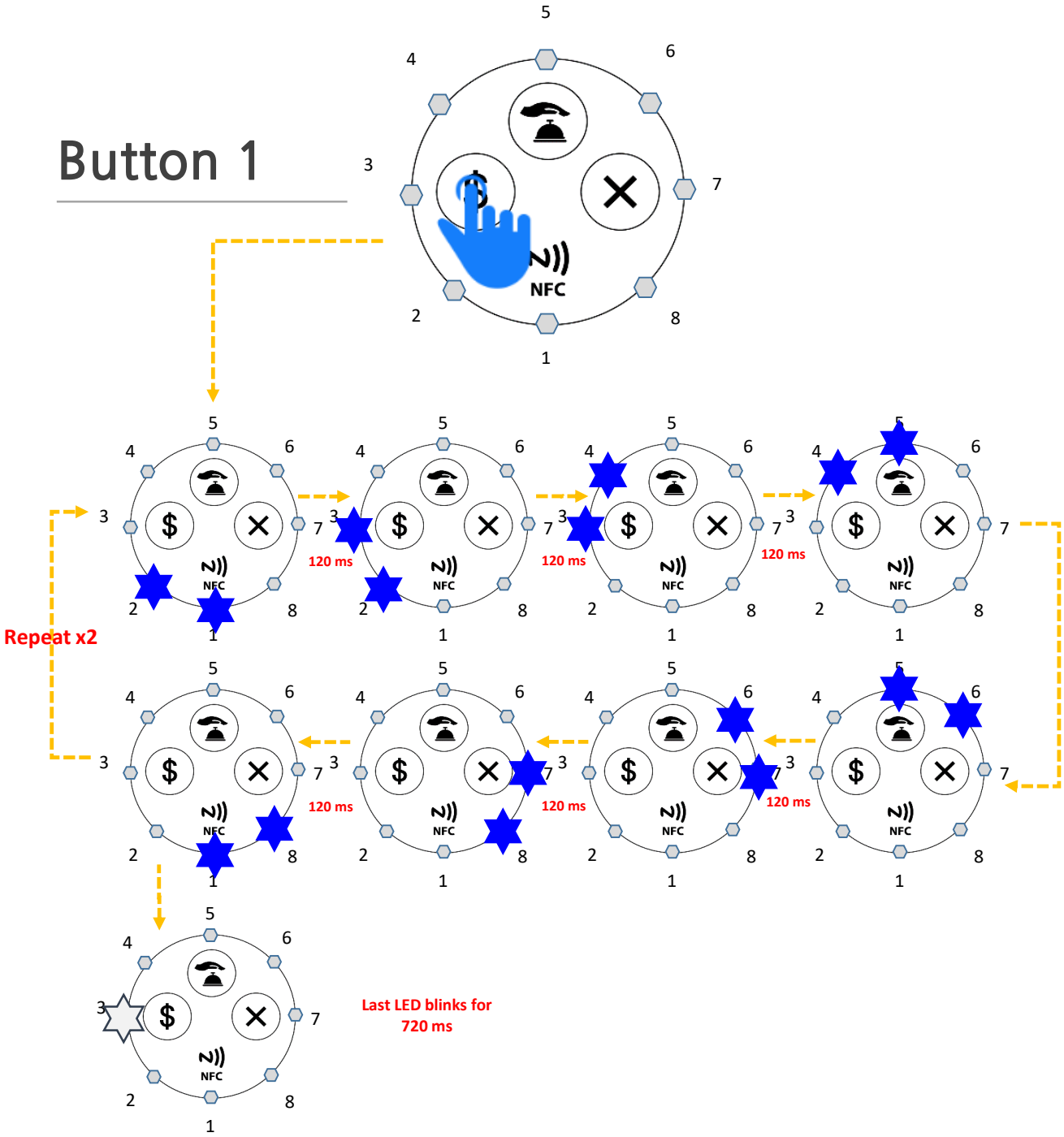


Aerial



LED Scenario

Button 1

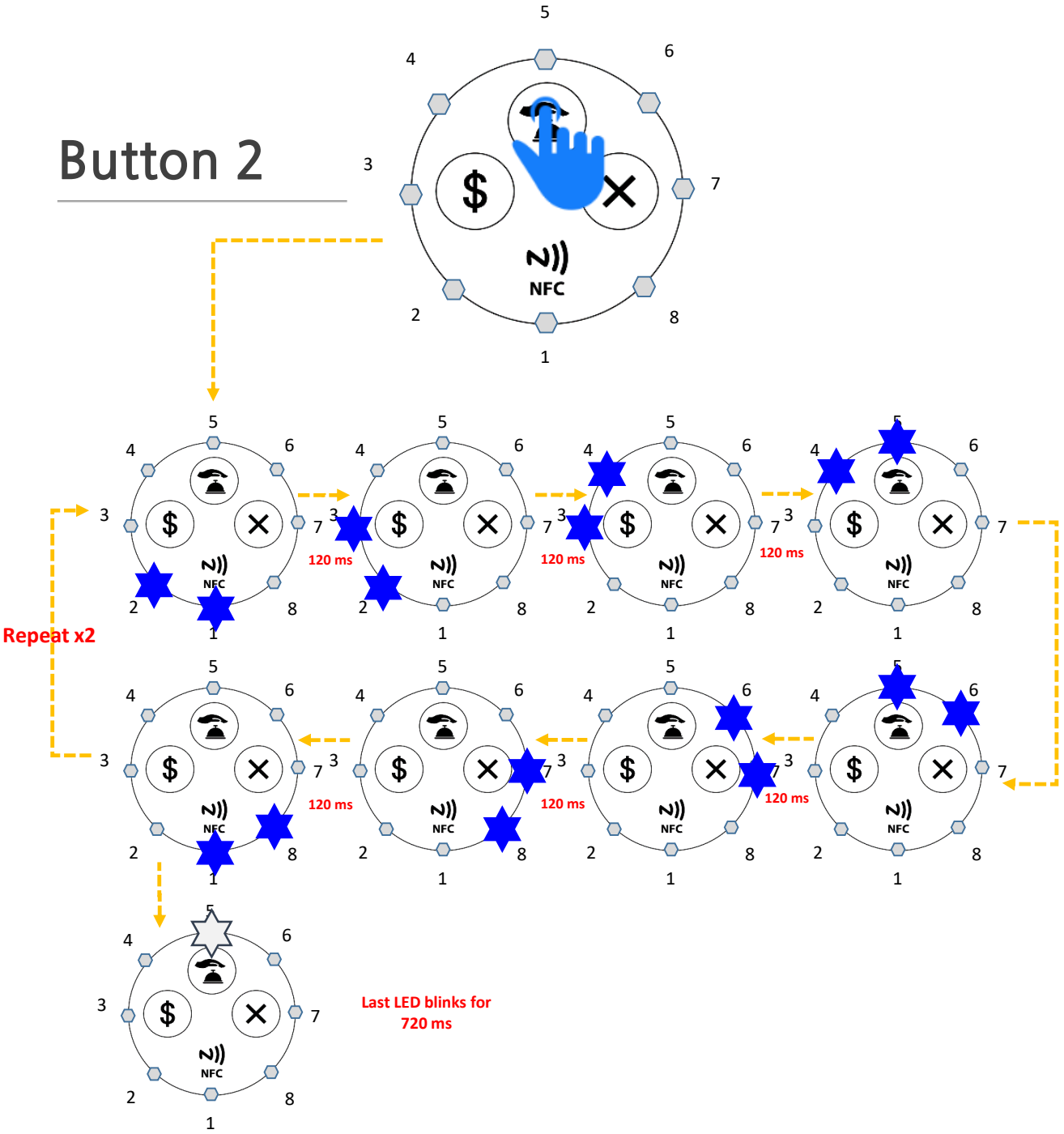


* B1 Button: Check (Check Request)
* Background LED Color: White
* Moving LED Color: Blue
* LED Blinking Time: 120ms
* LED Total Duration Time: 2.640 sec.
  (120ms x 16 + 720ms)

- LED Operating Sequence:
  1,2 > 2,3 > 3,4 > 4,5 > 5,6 > 6,7 > 7,8 > 8,1 > 1,2 > 2,3 > 3,4 > 4,5 > 5,6 > 6,7 > 7,8 > 8,1 > 3 > 3 > 3

LED Scenario

Button 2

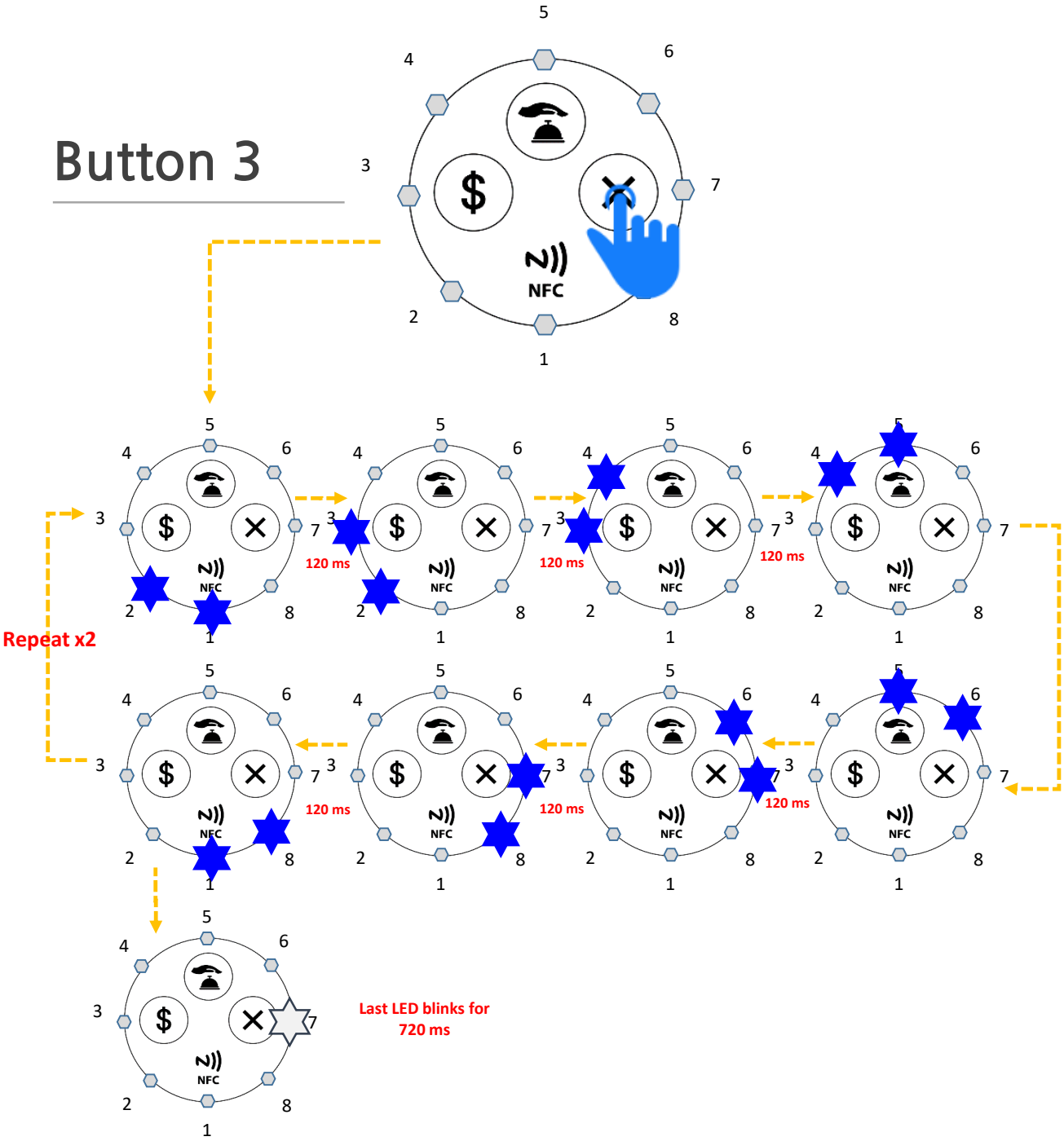


* B2 Button: Service (Service Request)
* Back Ground LED Color: White
* Moving LED Color: Blue
* LED Blinking Time: 120ms
* LED Total Duration Time: 2.640 sec.
  (120ms x 16 + 720ms)

- LED Operating Sequence:
  1,2 > 2,3 > 3,4 > 4,5 > 5,6 > 6,7 > 7,8 > 8,1 > 1,2 > 2,3 > 3,4 > 4,5 > 5,6 > 6,7 > 7,8 > 8,1 > 5 > 5 > 5

LED Scenario

Button 3



* B3 Button: Menu (Menu Request)
* Back Ground LED Color: White
* Moving LED Color: Blue
* LED Blinking Time: 120ms
* LED Total Duration Time: 2.640 sec.
  (120ms x 16 + 720ms)

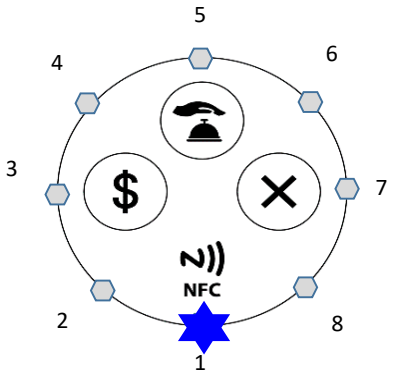
- LED Operating Sequence:
  1,2 > 2,3 > 3,4 > 4,5 > 5,6 > 6,7 > 7,8 > 8,1 > 1,2 > 2,3 > 3,4 > 4,5 > 5,6 > 6,7 > 7,8 > 8,1 > 7 > 7 > 7

Battery Level Check

Entering Battery Check Mode:

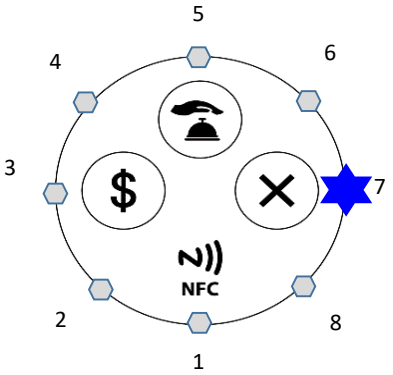
1. Press and Hold Buttons B2 (Service) and Buttons B3 (Menu) simultaneously

2. After 3 seconds, battery life will be displayed



LED #1 will start to blink in Blue
(LED will blink on and off for 300ms)

After 3 secs.

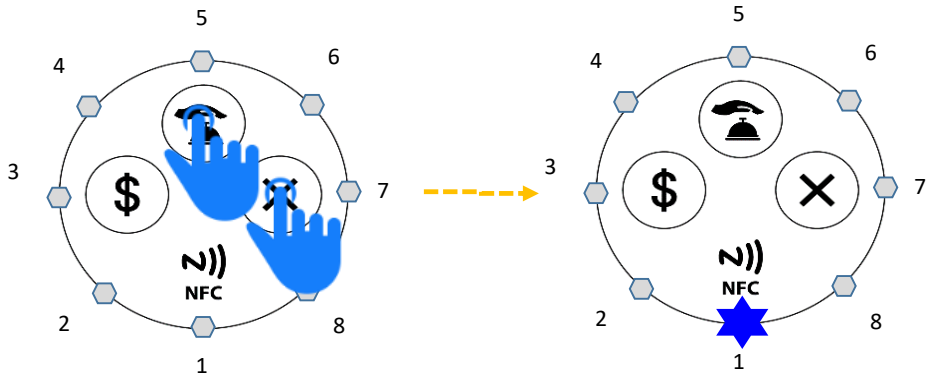


LED color will appear on location
depending on battery level
(LED will blink for 1 second)

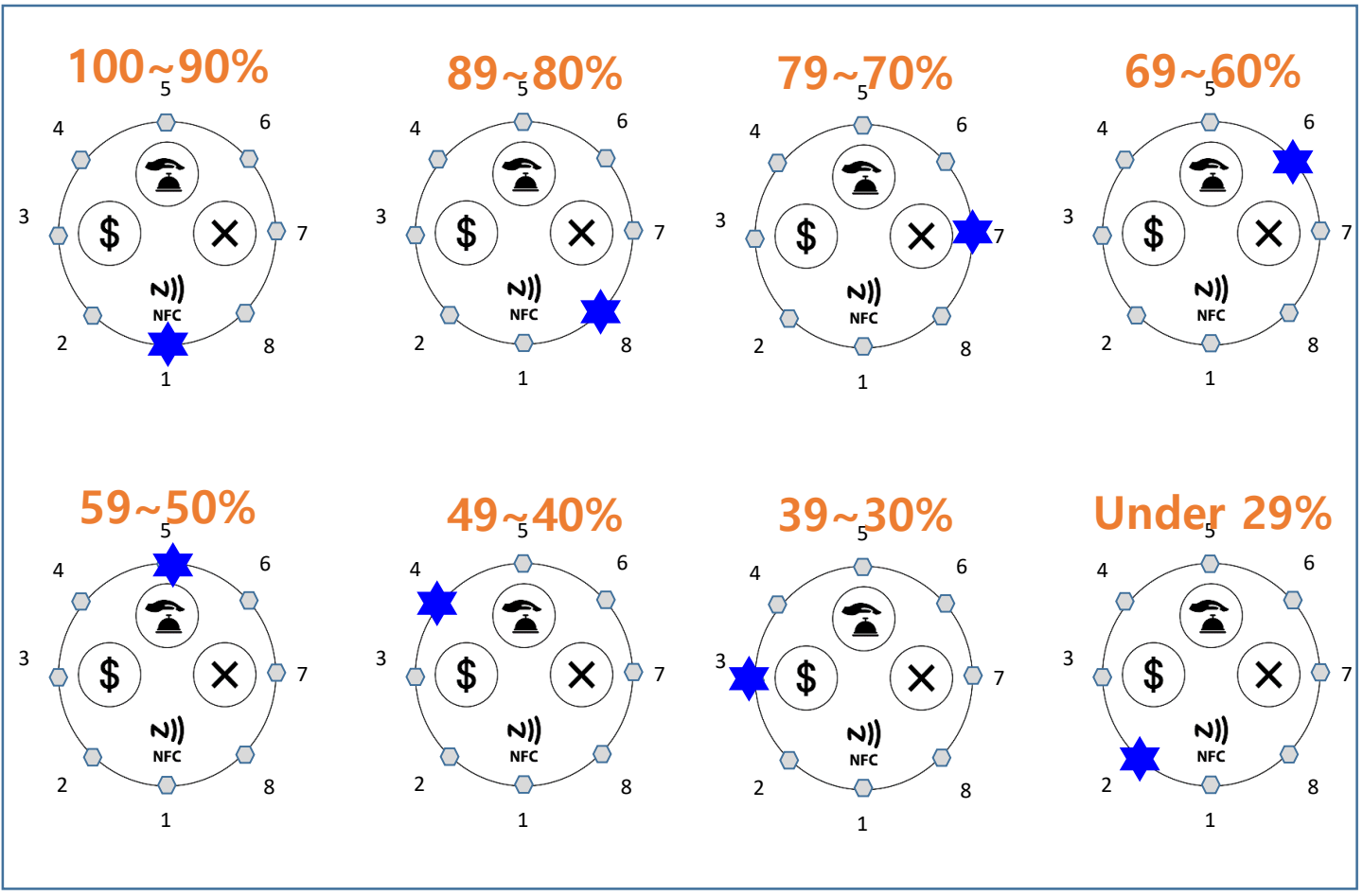
Battery Level Check

3

Entering Battery Check Mode:



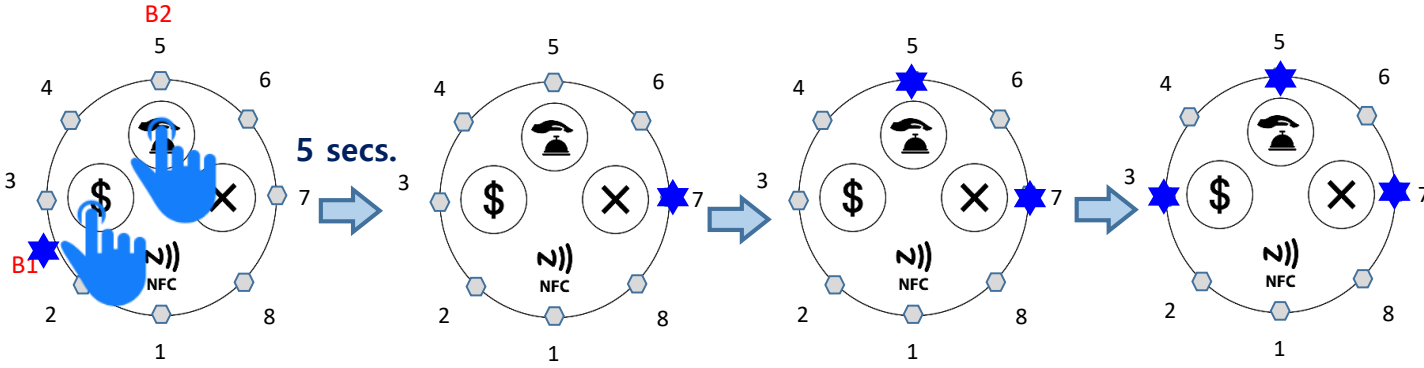
After 3 secs. of continuous flashing



Setup Mode

Entering Connectable Mode

1. Press and Hold Buttons B1 (Check) and Buttons B2 (Service) simultaneously
2. After 5 seconds, you will now enter Connect Mode and can now accept external devices
3. External device(s) have been connected
4. Connectable Mode disconnected successfully



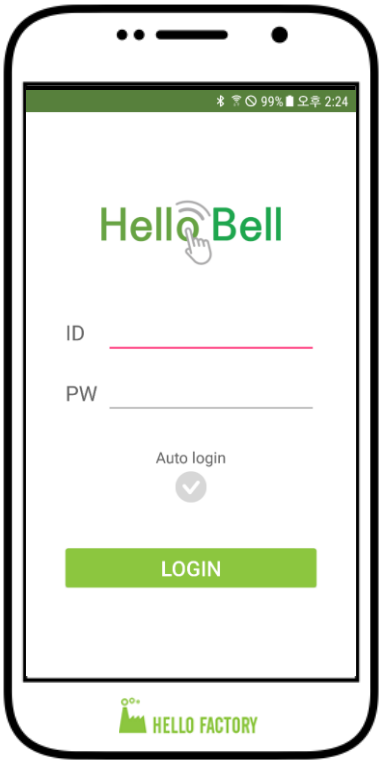
LED #3 will begin to blink
(LED will blink on and off for 300ms)

LED #7 will remain blue and can now accept other devices

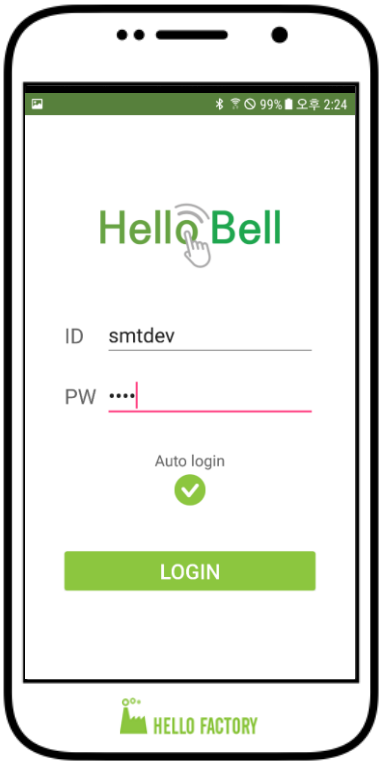
LED #5, 7 will remain continuously blue

LED #3, 5, 7 will remain continuously in blue (for 500ms)

Configuring your Beacon



1. Open your
HelloBell Setting App.



2. Enter your ID and password.

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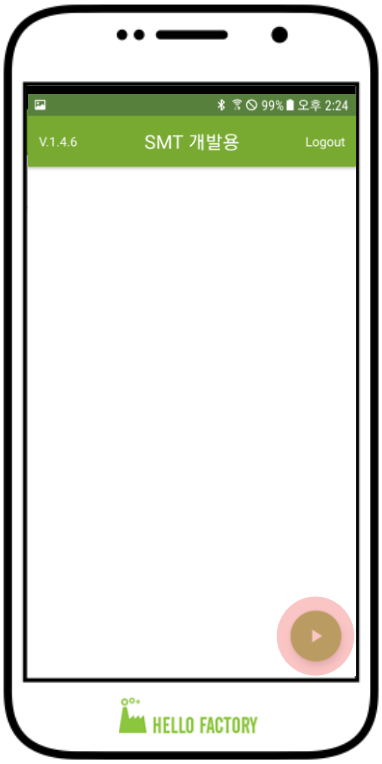
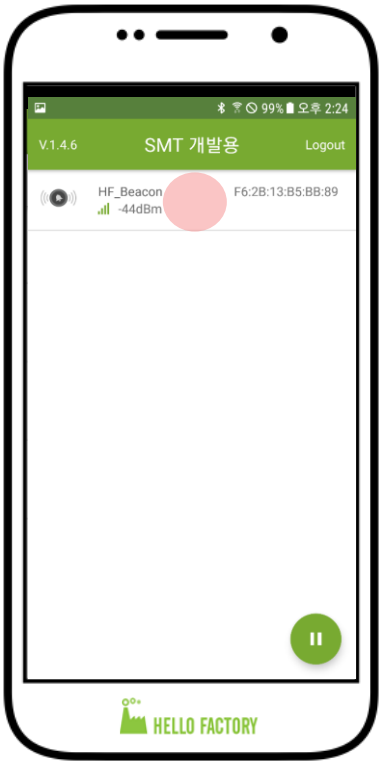
Configuring your Beacon



3. By pressing the "Play" button on the bottom right corner, you will begin the scanning process.



4. Select the appropriate beacon from the list.

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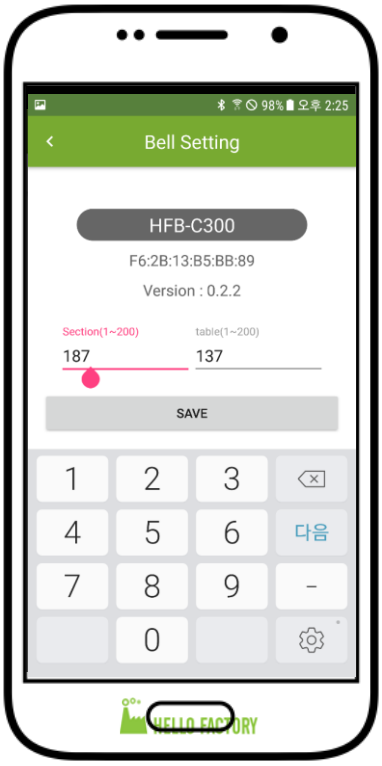
Configuring your Beacon

5. After selecting your beacon, the screen should look like the display.

- If you're unable to connect to your beacon, please exit the app and try again.
- If you are timed out of the connectable mode, please try again starting with Step #4.



6. You can change the Section Number here.

- The Section Number, which will be displayed on your SmartWatch, refers to the section or location set on your Dashboard Webpage.

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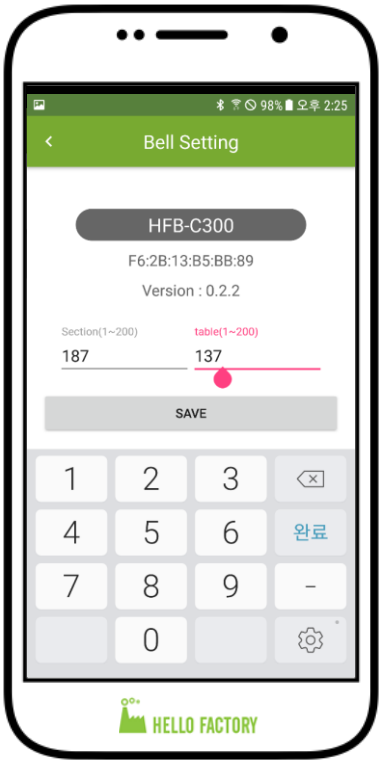
Configuring your Beacon



7. You can change the Table Number here.

- The Table Number, which will be displayed on your SmartWatch, refers to the customer's table number.

8. There are 3 separate commands That you will need to setup.

- You will see the options for each of the 3 buttons and be able to select the appropriate message for each button.

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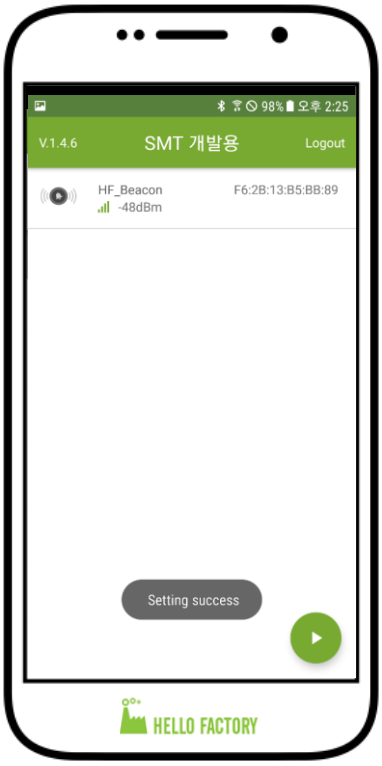
Configuring your Beacon

9. From the list of messages, you can select the appropriate message for each button.

- You can find the entire list of commands on your admin page: http://www.hellobell.net/login under the 'Call Location' tab. Additionally, any changes can be made in this section as well.



10. Once you're finished configuring Your beacon, press 'Save' and a 'Setting success' notification will appear.

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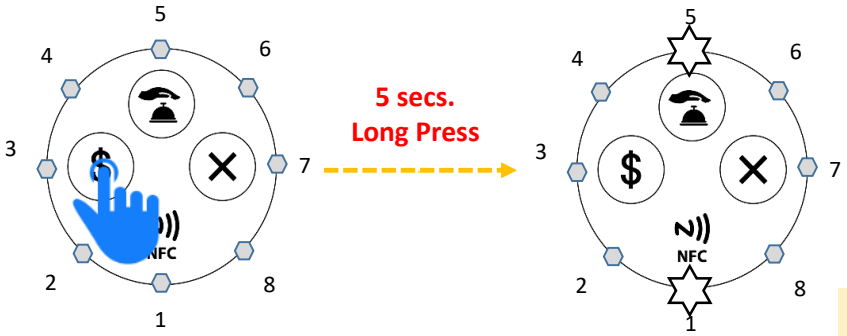
NFC Writing Lock

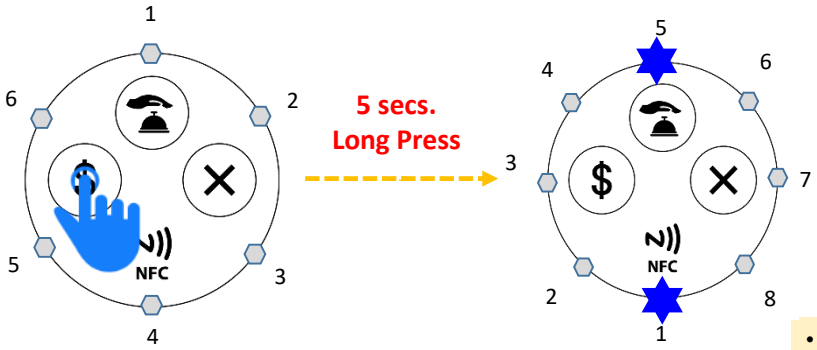
Entering NFC Writing Lock Mode
(Changing to Lock Mode)



Entering Lock Mode will disable other devices to rewrite information found on NFC

- **LED #1,5 will light up in white for 1 sec.**

Entering NFC Writing Unlock Mode
(Changing to Unlock Mode)



Entering Unlock Mode will allow you to write or re-write information found on NFC

- **LED #1,5 will light up in blue for 1 sec.**

HFB-C300

Bluetooth	2402 ~ 2480 MHz
Battery	Alkaline Battery (AA) x 2 / 3V
Temperature	0 ~ 45 Celsius

- Company Name: HelloFactory
- Equipment Name (Model Name): Short-Range Low Power Wireless Device (HFB- C300)
- ID Number: MSIP-CRM-HeL-HFB-C300
- Manufactured Date: Records Kept In-House
- Manufacturer / Country : HelloFactory / Korea

This device is intended to be used as a business market communication device. Please note that the user understands that this device is not be used in any other setting.

This device is capable of transmitting radio waves during use.

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.

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.

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