

# G-EYE+ User Manual

App service introduction manual to help the visually impaired understand the service

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- Building info./ Directions info./ Surrounding facilities
- Bookmark/ Search history/ Search
- Order/ Current location

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## How to use G-EYE+

- Mobility service
- Usability service

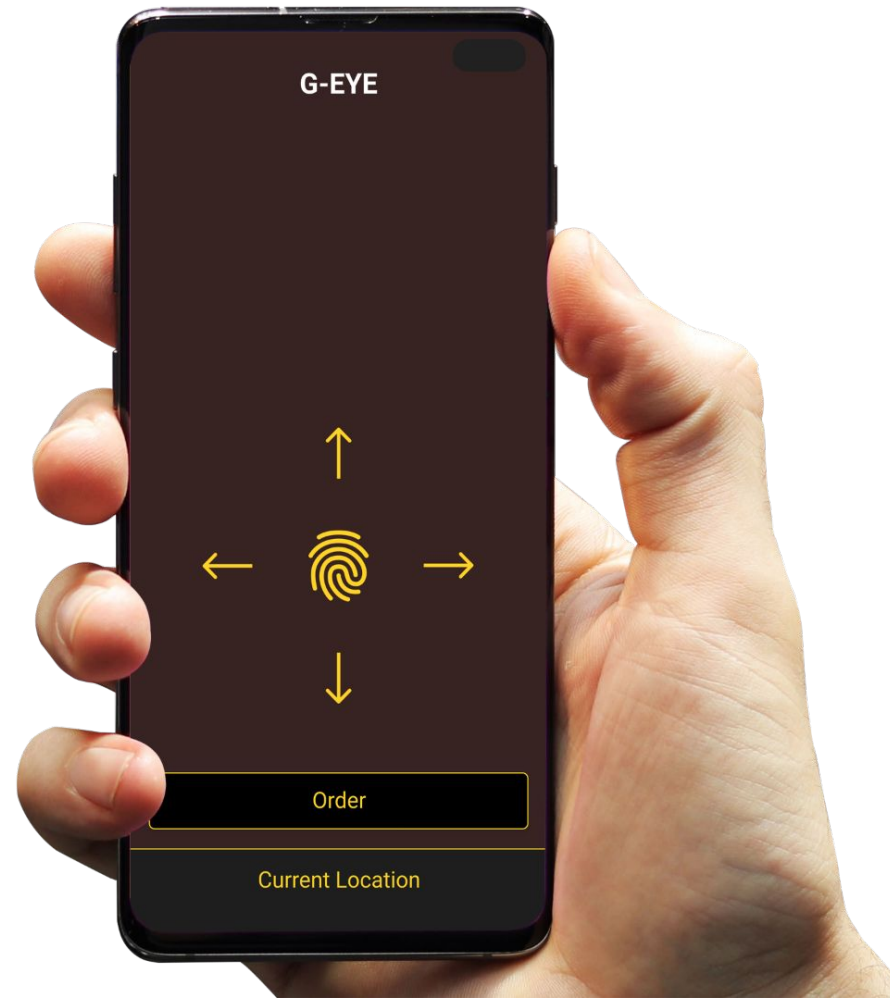
## 01. What is G-EYE+ ?

**G-EYE+ is a life-convenience platform service for the visually impaired**, which helps the visually impaired move and use.

It provides **walking navigation** and **non-face-to-face order/payment service** specialized for the visually impaired through 6 simple gestures and voice recognition features.

Working with visually impaired people throughout the development process, we developed services that they need and a user interface for all of the low vision, color blindness, and total blindness.

We create **a barrier-free city that expands the range of activities for the visually impaired** so that they can access any place they want.



## 02. How to install / Run

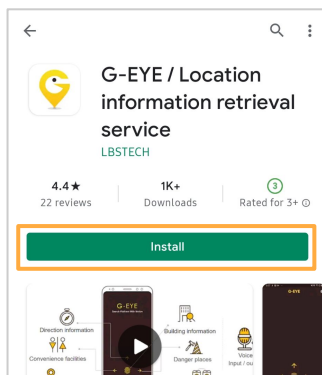
### 2.1. Install and run the app

#### Installation

You can search and download 'G-EYE' from Google Play Store or Apple App Store.



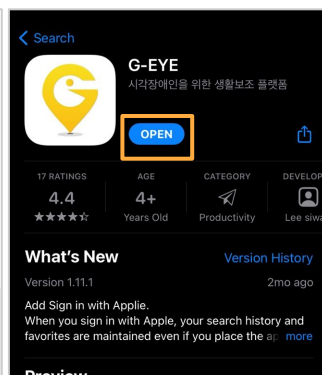
Android User



Google play store



iPhone User



Apple app store

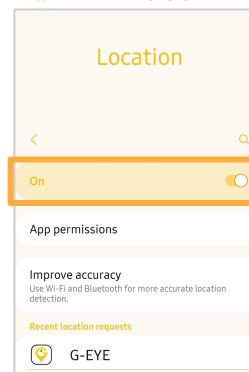
#### Accessibility settings before using the app

G-EYE is provided based on location information. Please run GPS before using the app.

G-EYE is provided as optimized interworking with accessibility features. Please run Talkback, Voiceover, or Magnifier first according to the type of visual impairment and how to use mobile.



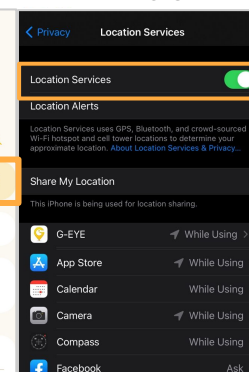
Android



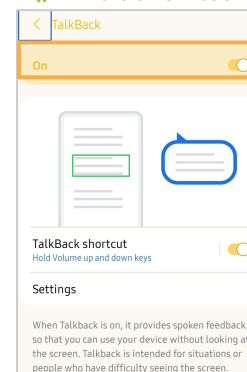
Location function execution (GPS)



iPhone



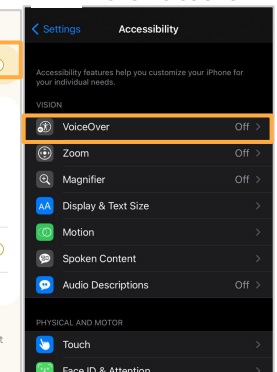
Android-Talk back



Accessibility function execution (Screen reader)



iPhone-VoiceOver



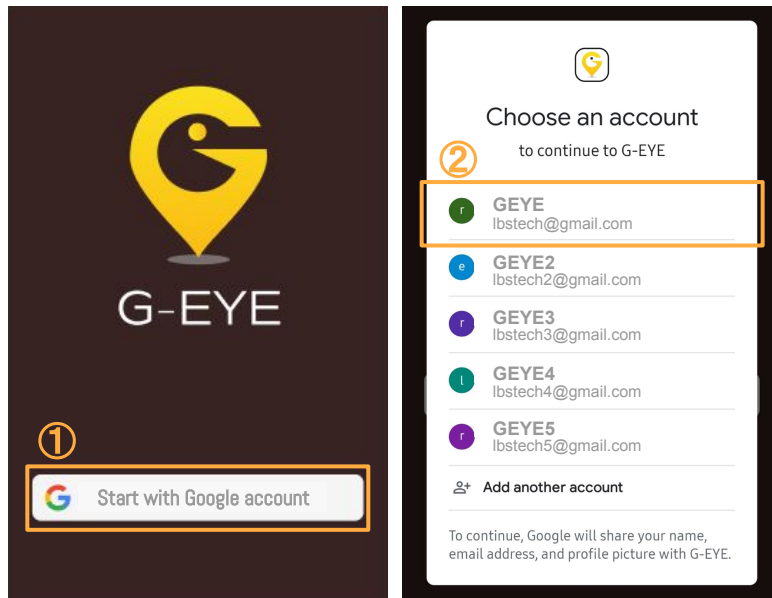


## 02. How to install / Run

### 2.2. Login and allow app permission

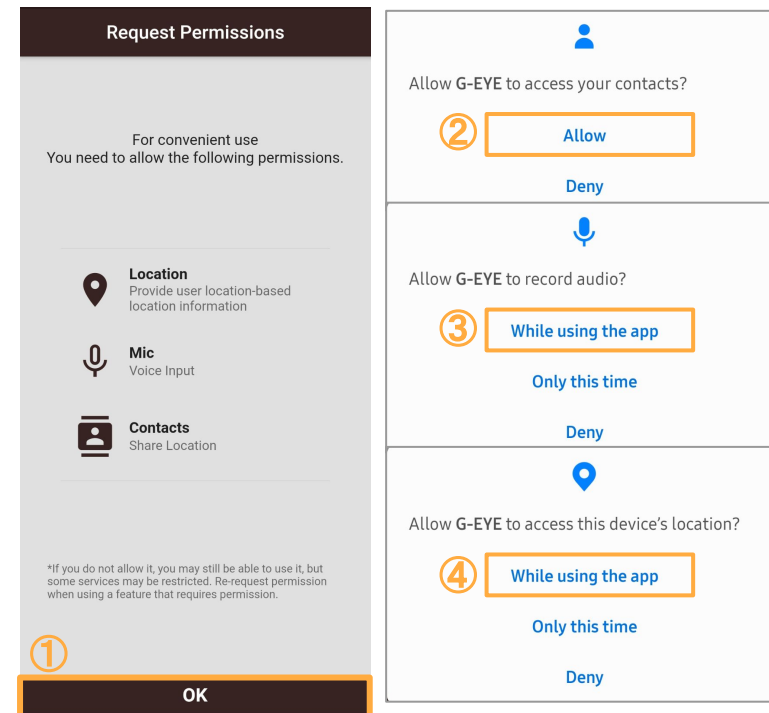
#### Logging in

After running G-EYE, you can log in with your Google ID on the login screen. Log in by choosing the Google account registered on the device.



#### App permissions

After choosing OK on the permission request screen, choose either 'Allow only while using the app' or 'Allow' in the pop-up for location, microphone, and address book permission requests.



## 02. How to install / Run

### 2.3. Agree to the terms & privacy

**Policy**

Terms of Service

☐ Agree **Details**

Privacy Policy

☐ Agree **Details**

Terms and Conditions of Location-Based Services

☐ Agree **Details**

**1** ☐ Agree All

**2** **OK**

**Terms of Service**

• 제1조(목적)  
이 약관은 LBS TECH(이하 "회사"라 합니다)가 온라인으로 제공하는 G-EYE 서비스(이하 "서비스"라 합니다) 및 관련 서비스 이용과 관련하여 회사와 회원의 권리, 의무 및 책임사항 기타 필요한 사항을 규정함을 목적으로 합니다.

**Privacy Policy**

LBS TECH (이하 "회사"라 합니다)는 회원들의 개인정보를 소중히 다루고 있습니다.  
회사는 '정보통신망 이용촉진 및 정보보호 등에 관한 법률', '개인정보보호법' 등 관련 법규를 준수하며 회원의 개인정보가 보호받을 수 있도록 최선을 다하고 있습니다. 개인정보보호정책을 통해 회원이 제공한 개인정보가 어떠한 용도와 방식으로 이용되며, 개인정보보호를 위해 어떠한 방법을 통해 관리되고 있는지에 대해 알려드립니다.  
본 정책은 2018년 12월 1일부터 시행됩니다.  
1. 수집하는 개인정보 항목 및 수집방법  
가. 수집하는 개인정보 항목

**Terms and Conditions of Location-Based Services**

제1장 총칙  
• 제 1 조 (목적)  
본 약관은 회원(G-EYE 서비스 약관에 동의한 자를 말합니다. 이하 "회원"이라고 합니다.)이 LBS TECH(이하 "회사"라고 합니다.)가 제공하는 G-EYE 서비스(이하 "서비스"라고 합니다)를 이용함에 있어 회사와 회원의 권리·의무 및 책임사항을 규정함을 목적으로 합니다.

• 제 2 조 (이용약관의 효력 및 변경)  
본 약관은 서비스를 신청한 고객 또는 개인위치정보주체가 본 약관에 동의

### Terms & Privacy

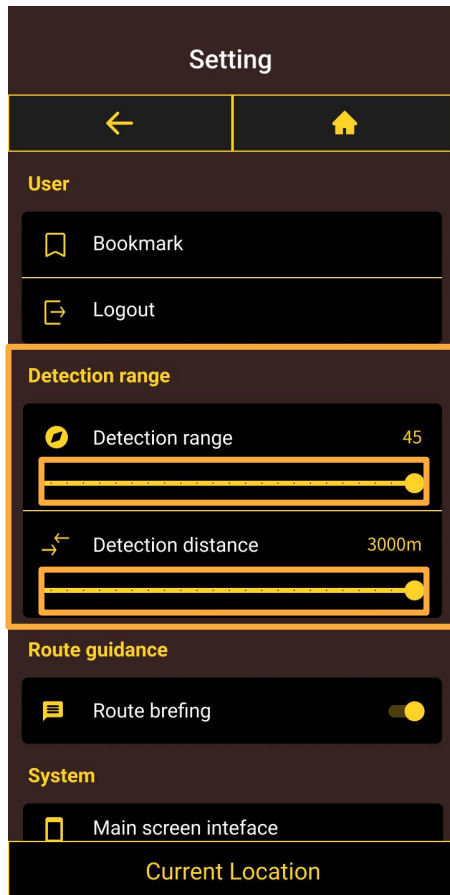
To use G-EYE, you need to agree to the terms of service, privacy policy statement, terms of location-based service.

You can check the full text of each terms & privacy by choosing "More details".

If you choose "Agree to all" and click OK, you can enter main screen of G-EYE.

## 03. Setting

### 3.1. Adjustment of detection range



By setting the detection angle and distance, you can adjust the range of surrounding building information that it read you during route guidance.

#### Adjustment of detection angle

Based on your progress direction, you can adjust the detection angle of the facility in 5° units in the left and right range of 10° to 45°. If there are lots of search targets, you can reduce the detection angle to get accurate information.

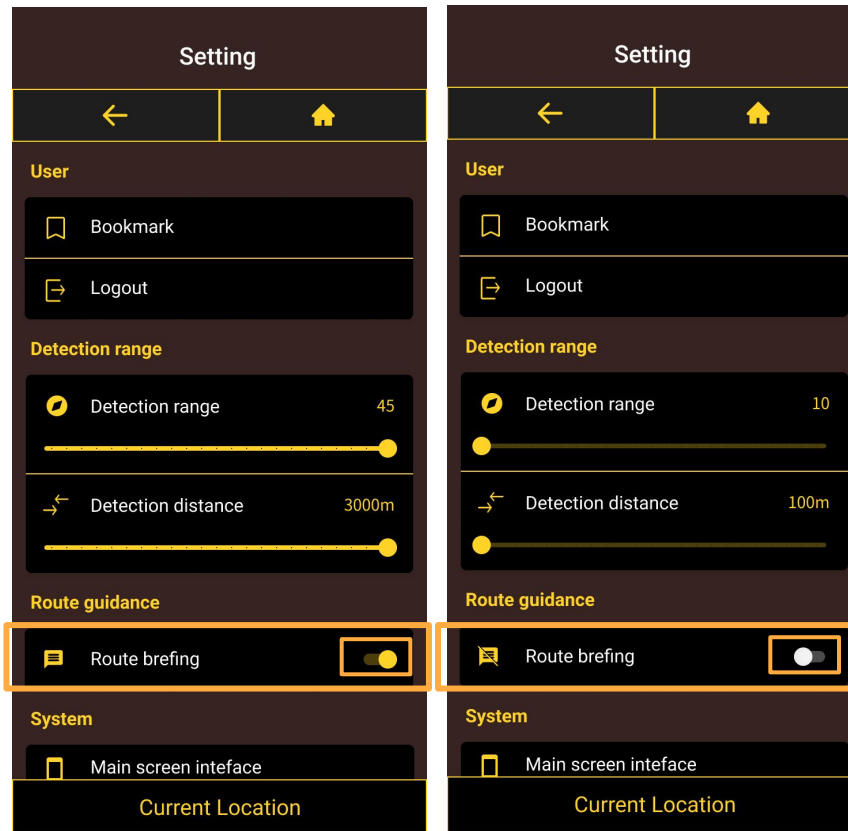
#### Adjustment of detection distance

By adjusting the detection distance, you can adjust the range of detection of surrounding facilities and guidance in 100m units in the range of 100m to 3km.

If there are few search targets by the region, you can use up to 3 km based on the radius of activity of the visually impaired.

## 03. Setting

### 3.2. Route briefing on/off



#### Route briefing on/off

When you execute route guidance, it briefs the entire route.







If you turn off the route briefing, the navigation runs without the entire route briefing at the beginning of the first route guidance.

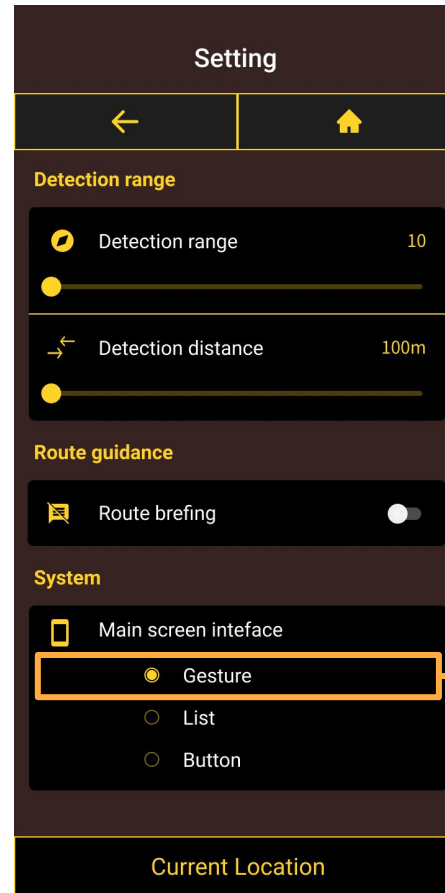
## 03. Setting

### 3.3. How to operate the main screen

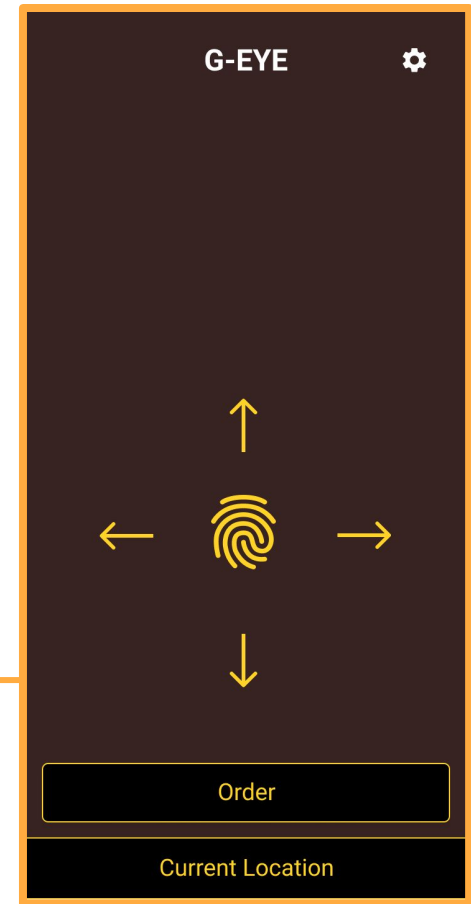
#### 3.3.1. Gesture mode

You can use G-EYE with 6 easy gestures.

	UP	<b>Direction</b>
	Down	<b>Voice Search</b>
	Right	<b>Search History</b>
	Left	<b>Surrounding Facilities</b>
	Click	<b>Building Information</b>
	Hold	<b>Bookmark</b>



You can use it by changing from the three main screen operation methods.



Main screen after changing to gesture mode

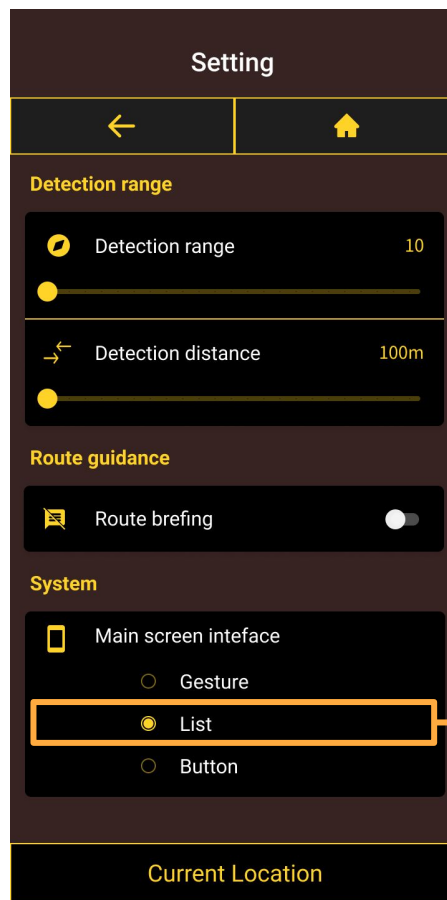
## 03. Setting

### 3.3. How to operate the main screen

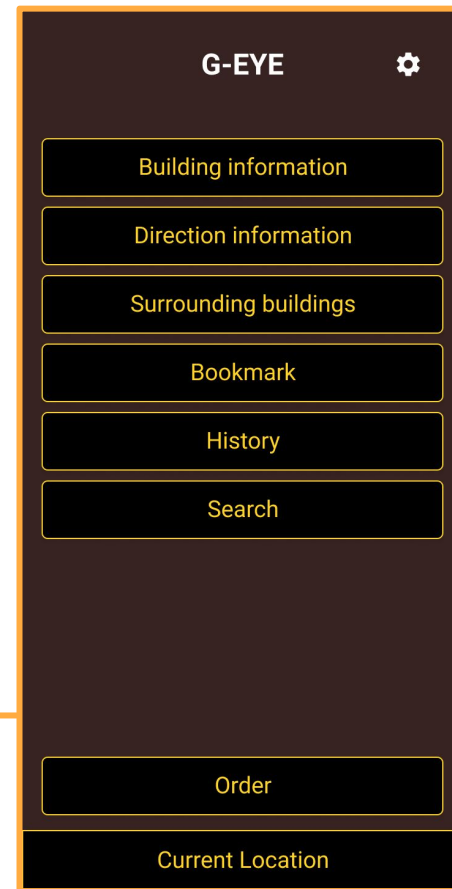
#### 3.3.2. List mode

The list mode, which is set as the basic home screen when running the app, shows major services in the form of a list.

List mode is appropriate to the low vision type.



You can use it by changing from the three main screen operation methods.



Main screen after changing to list mode

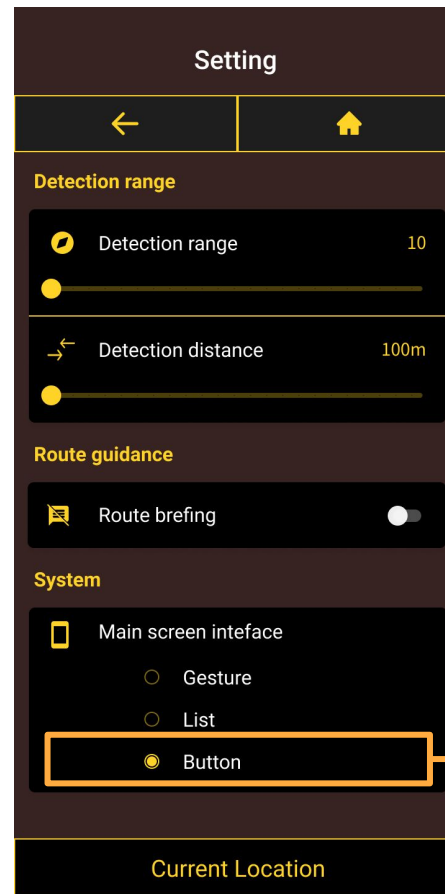
## 03. Setting

### 3.3. How to operate the main screen

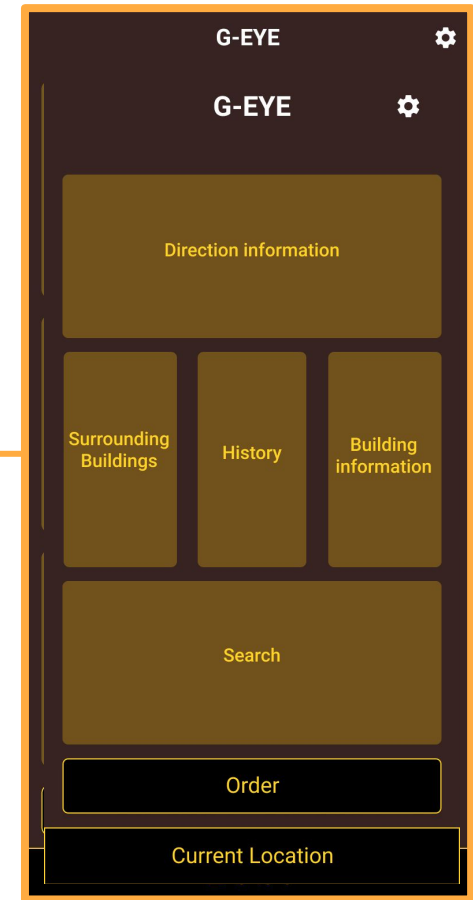
#### 3.3.3. Button mode

The button type screen control method is used when the gesture mode is unfamiliar or difficult to use.

The buttons are positioned in each gesture, so you can become more familiar with each gesture in gesture mode through button mode.



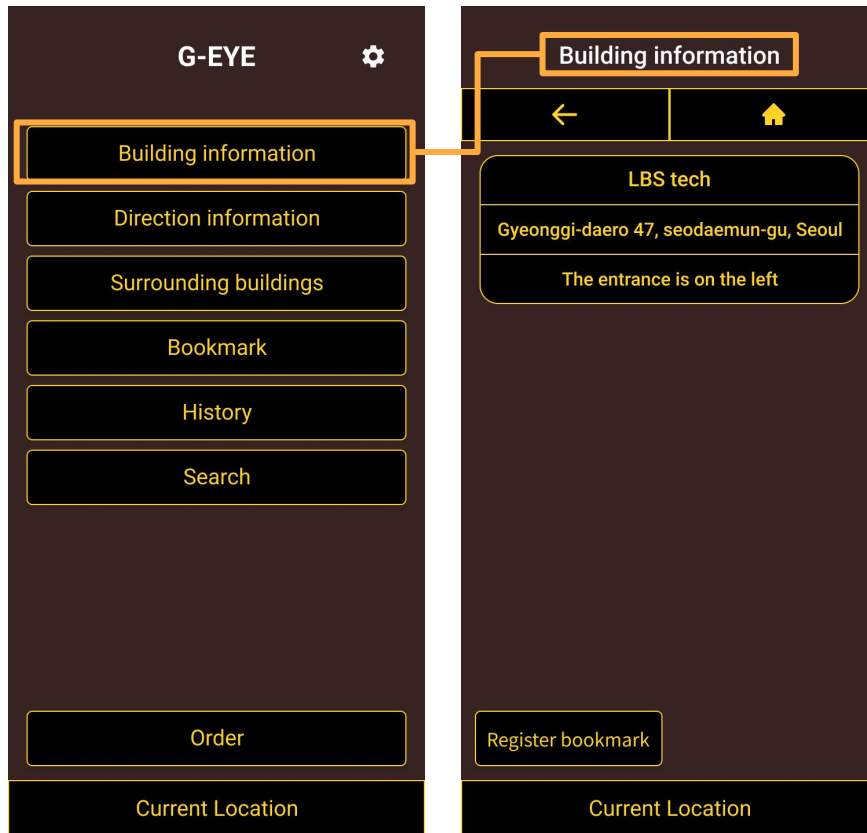
You can use it by changing from the three main screen operation methods.



Main screen after changing to button mode

## 04. Main features of G-EYE+

### 4.1. Building information



#### Building information

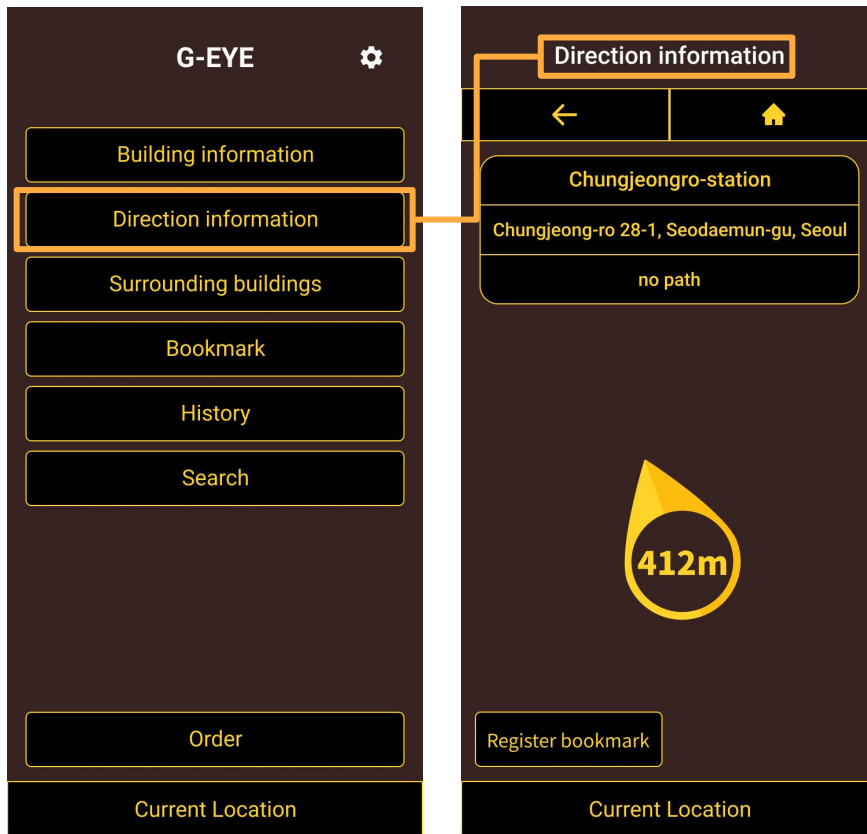
It provides the entrance information of buildings closest to the current user's location.

When run indoors, it provides the building in its current location.



## 04. Main features of G-EYE+

### 4.2. Directions information



#### Progress direction information

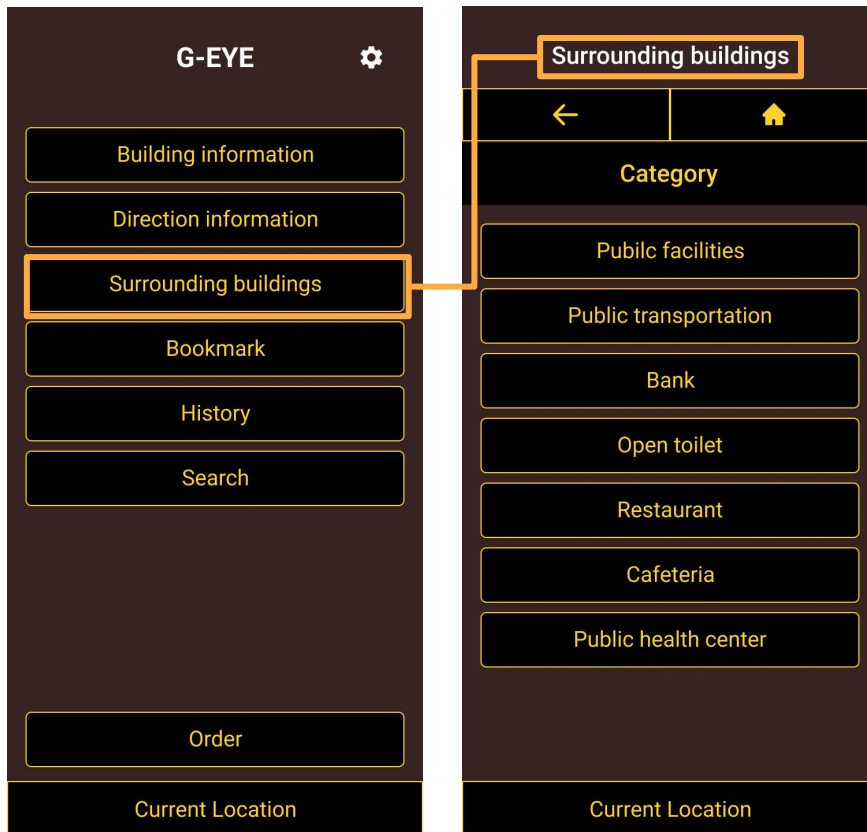
It provides the direction to the building located in the direction of the user's progress.

The direction of progress is operated by the smartphone sensor at the top of the cell phone, so you need to point to the direction with smartphone to get more accurate information.

It provides the user with building information in the direction of progress, distance, total number of turns between paths, and information that is essential and helpful for walking.

## 04. Main features of G-EYE+

### 4.3. Surrounding buildings



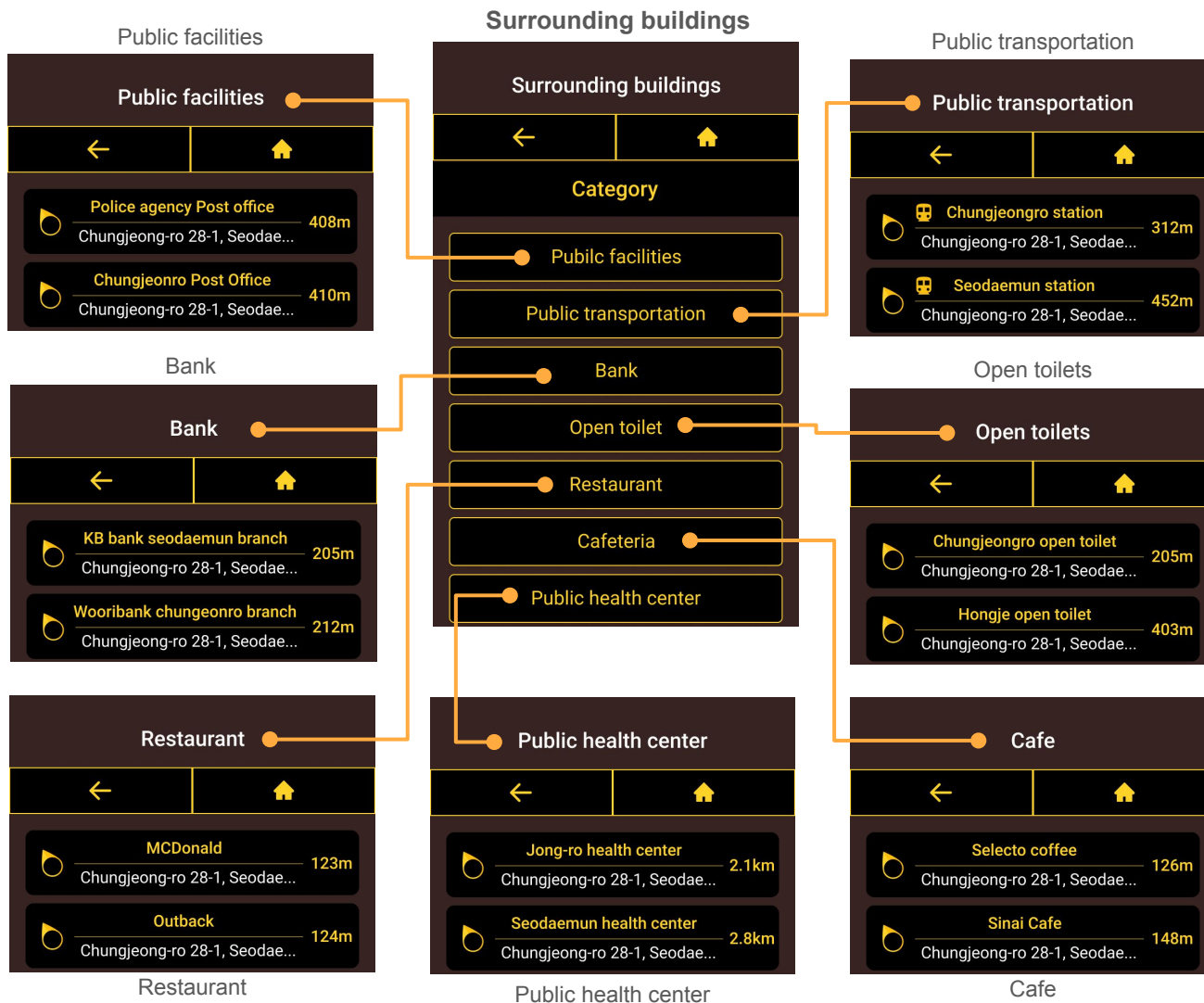
#### Surrounding buildings categories

It provides information on nearby facilities in order of distance from the user's current location.

Surrounding buildings include public facilities, open toilets, public transportation, banks, etc.

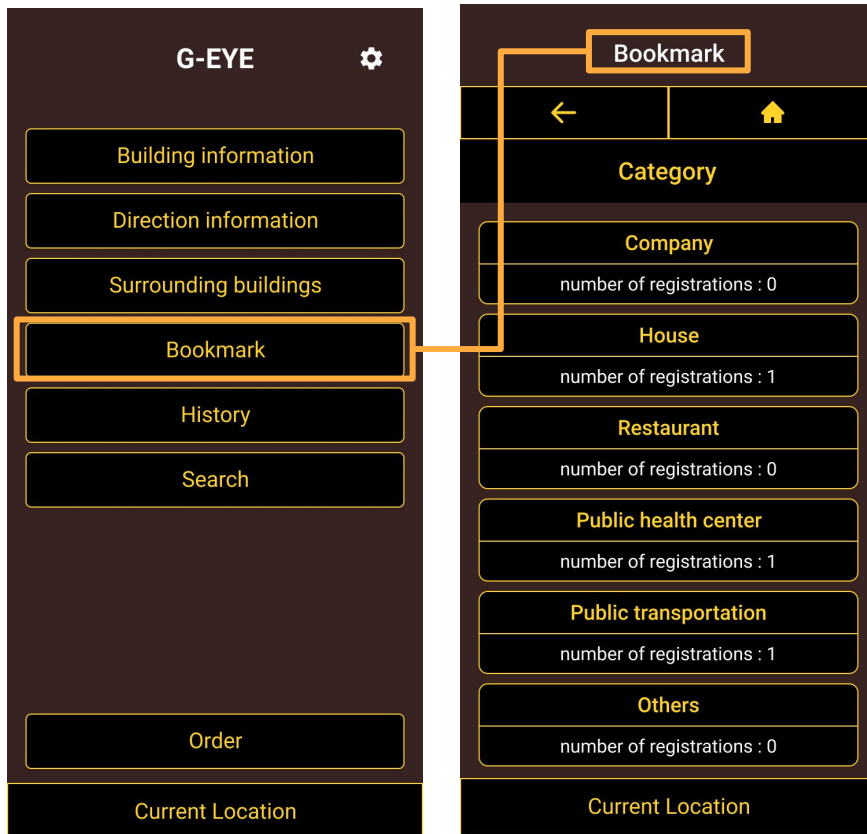
## 04. Main features of G-EYE+

### 4.3. Surrounding facilities



## 04. Main features of G-EYE+

### 4.4. Bookmark



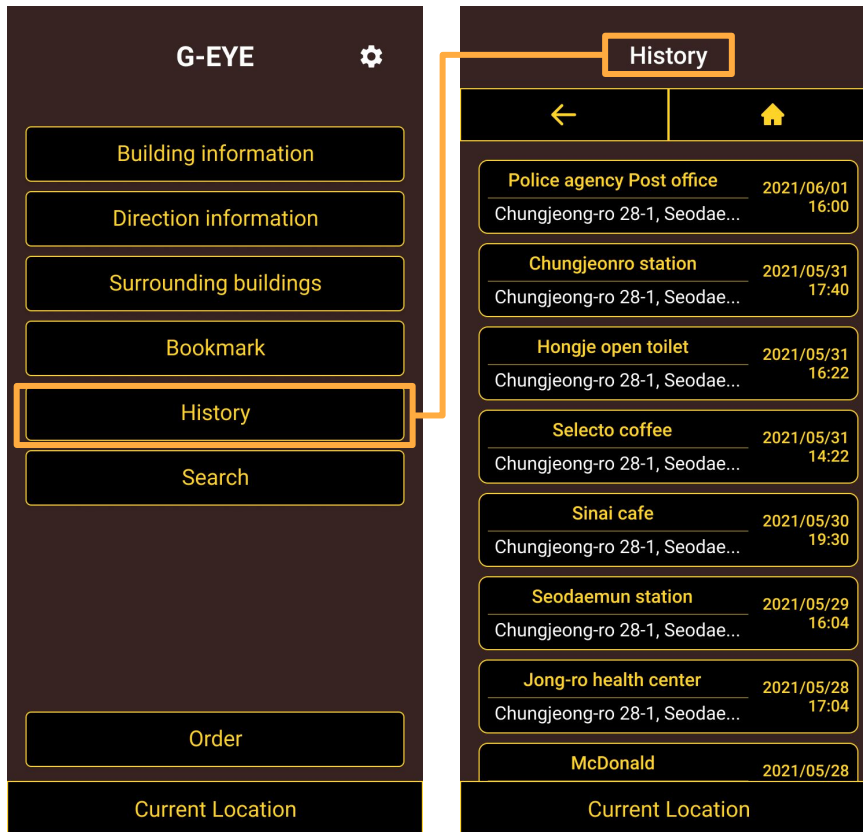
#### Favorite places categories

It provides an easy way to find your favorite places that you registered with branches in categories in the search process.

Favorites features help reduce unnecessary repetitive searches and categorize your own familiar destination.

## 04. Main features of G-EYE+

### 4.5. Search history



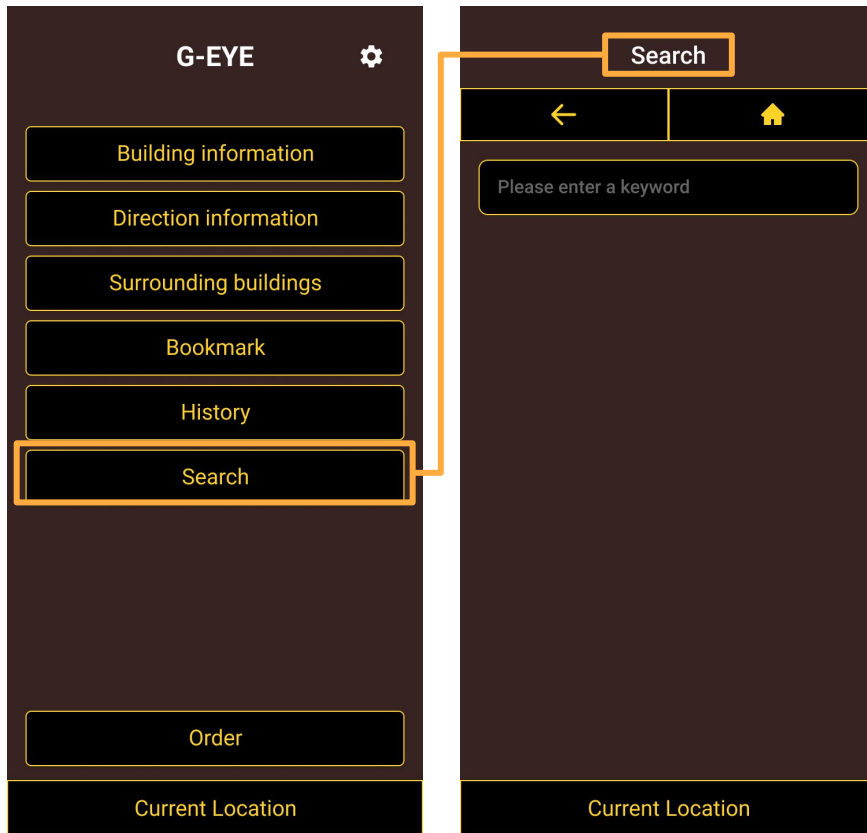
#### Recent search history

It provides recent search history. Information about the buildings you searched for is listed in recent order.

Through the search history, you can easily and quickly access to route guidance to the destination and building information.

## 04. Main features of G-EYE+

### 4.6. Search



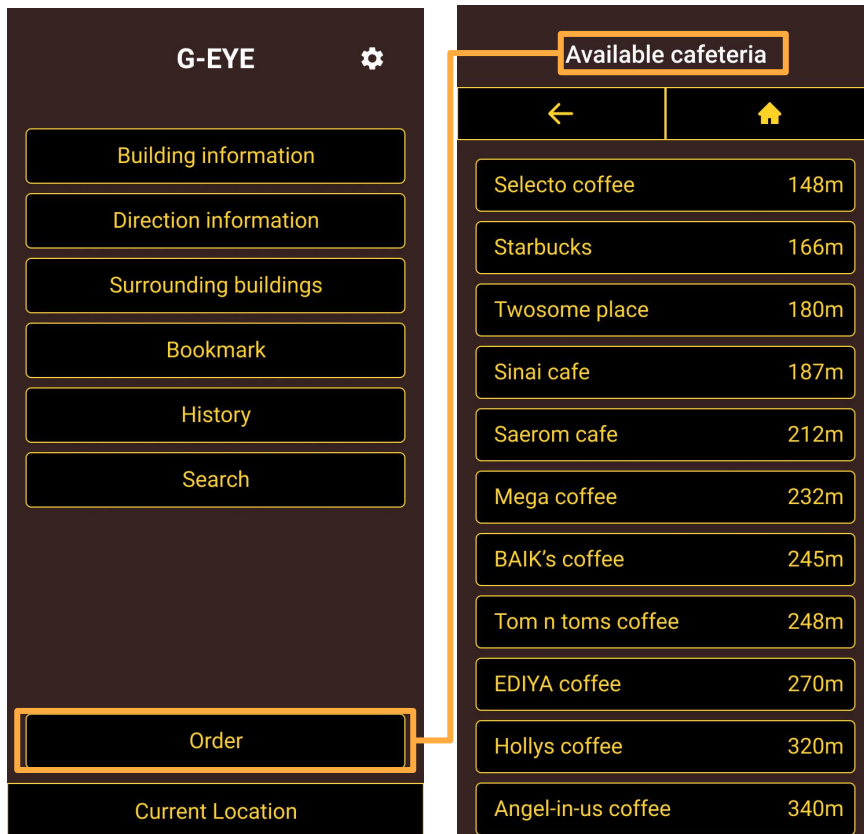
#### Search destination

It provides a search for destinations.

Both general search and voice search are supported. Search results provide the route to the destination and information about the destination.

## 04. Main features of G-EYE+

### 4.7. Order



#### Non-face-to-face store order

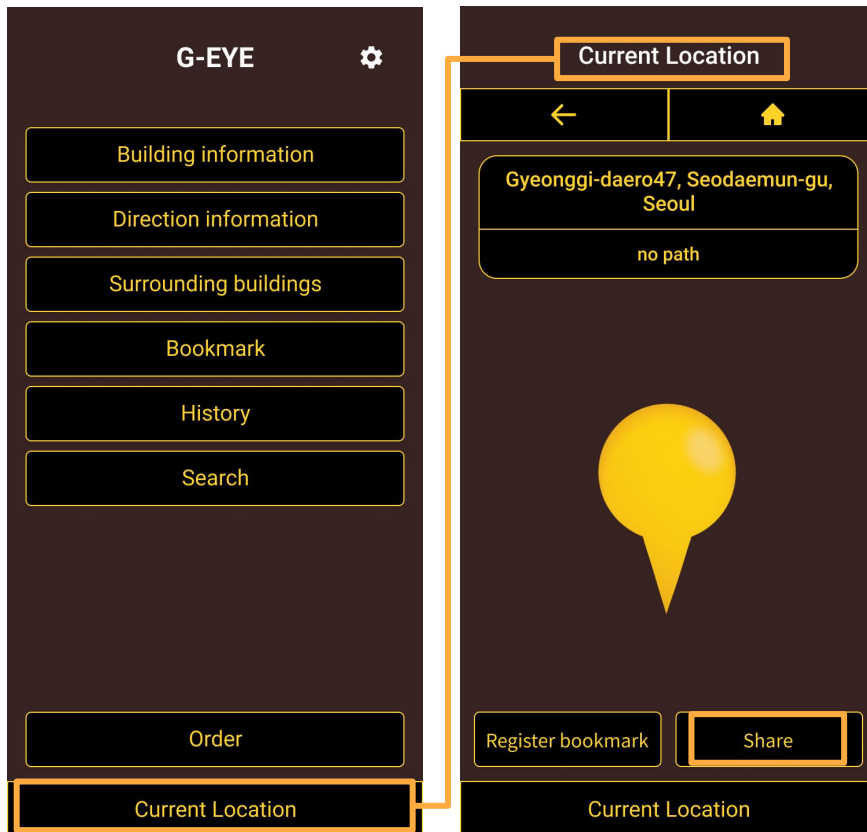
It provides a list of stores that you can order.

If you choose a store in the list, you can check the menu of the stores.

After choosing the menu, you can order and pay through a non-face-to-face order/payment system with the registered card.

## 04. Main features of G-EYE+

### 4.8. Current location



#### Current location

It provides user's current location.

You can register your current location as the favorite, and you can send your current location to acquaintances of the registered contact by choosing the Share feature.



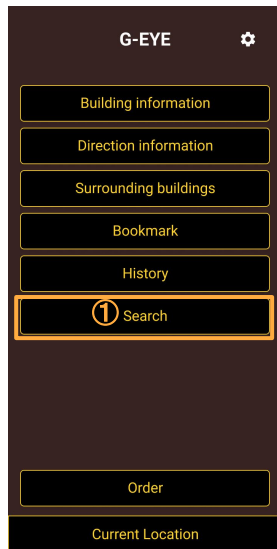
## 05. How to use G-EYE+

### 5.1. Mobility service

#### 5.1.1. Entry to route guidance through destination search

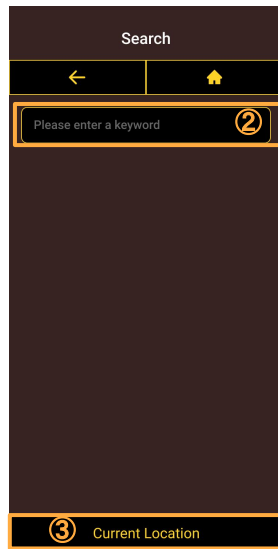
##### 1 Main screen

On the main screen,  
① Select the Search button



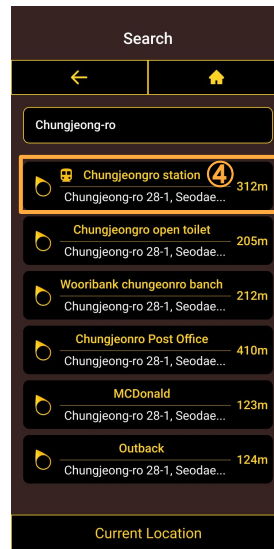
##### 2 Search

Type your destination in the ② search bar by keyboard or voice input. Then choose ③ search at the bottom of the screen.



##### 3 Search results

Check the list of search results, and choose ④ the result you want to find.



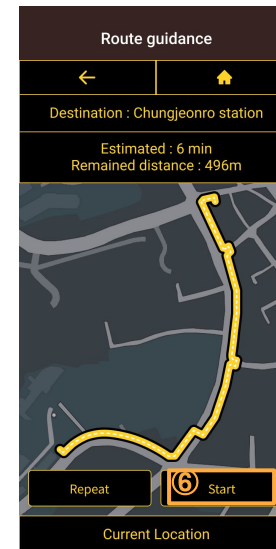
##### 4 Building info.

Check the address, direction and distance of the building  
⑤ choose the 'route guidance' button.



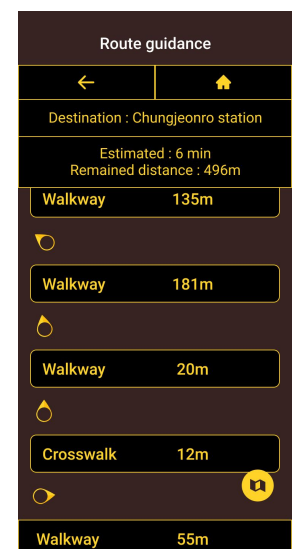
##### 5 Route guidance

Check the route to the destination by voice and map,  
⑥ choose the 'Start Guidance.'



##### 6 Start guidance

Walk to the destination considering the distance and direction.



## 05. How to use G-EYE+

### 5.1. Mobility service

#### 5.1.2. Entry to route guidance through favorites

##### 1 Main screen

On the main screen,  
① Select the Bookmark button.

##### 2 Bookmark

Check the category,  
and ② choose the  
category you want

##### 3 Bookmark list

Check the category list  
and choose ③ the  
result you want to find.

##### 4 Building info.

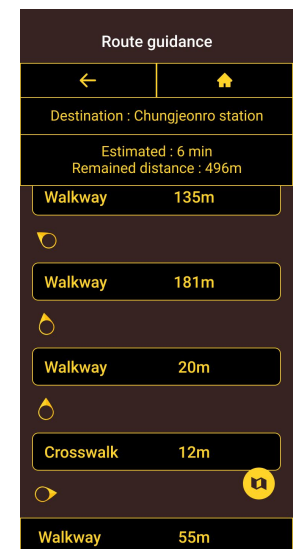
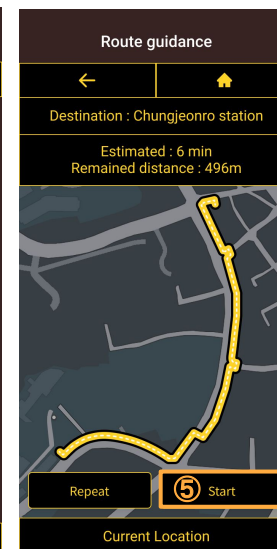
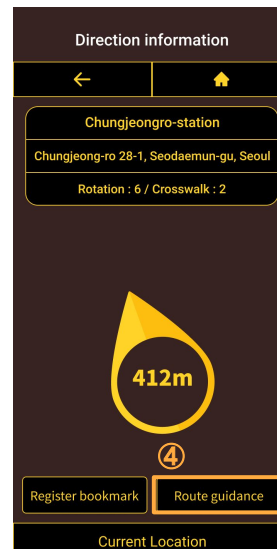
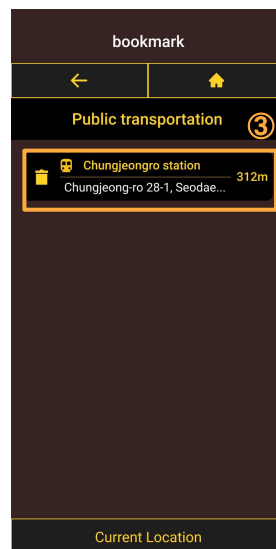
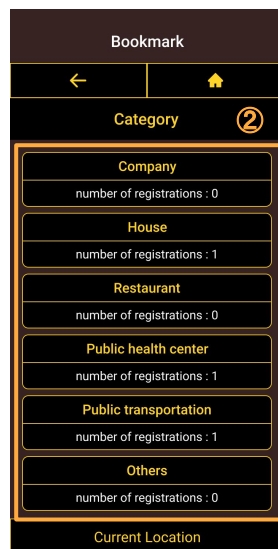
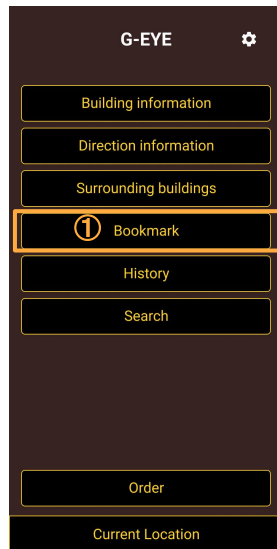
Check the address,  
direction and distance  
of the building  
④ choose the  
'route guidance' button.

##### 5 Route guidance

Check the route to the  
destination by  
voice and map,  
⑤ choose the  
'Start' button.

##### 6 Start guidance

Walk to the destination  
considering the  
distance and direction.



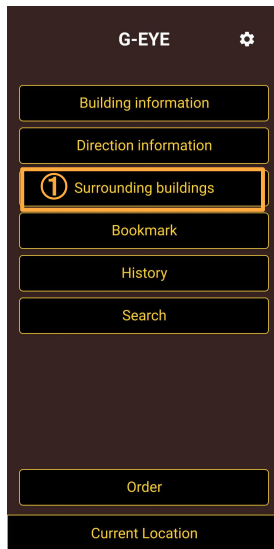
## 05. How to use G-EYE+

### 5.1. Mobility service

#### 5.1.3. Entry to route guidance through surrounding facilities information

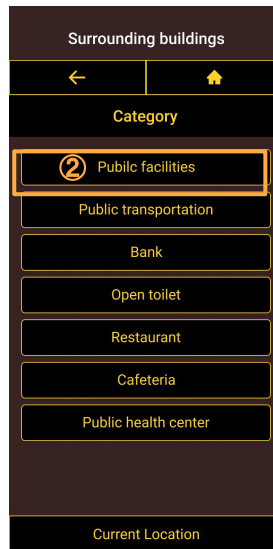
##### 1 Main screen

On the main screen,  
① choose the  
'Surrounding facilities.'



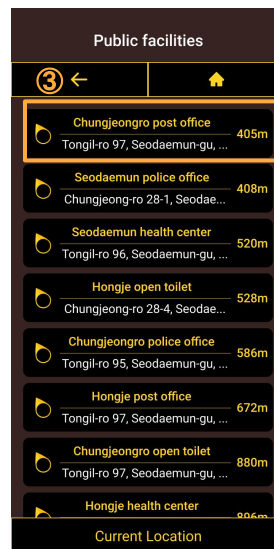
##### 2 Surrounding facilities category

Check the category,  
② choose the facility  
which you want to  
find out.



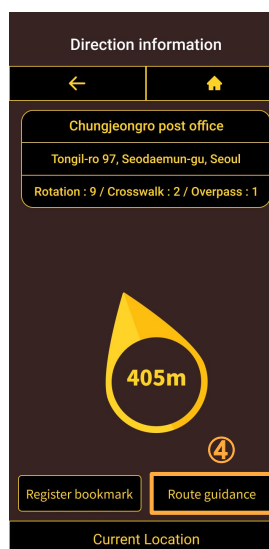
##### 3 Selected facilities list

Check the facility list,  
③ choose the facility  
that you want to find.



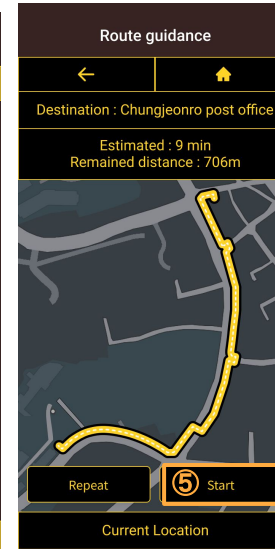
##### 4 Building info.

Check the address,  
direction and distance  
of the building  
⑤ choose the  
'route guidance' button.



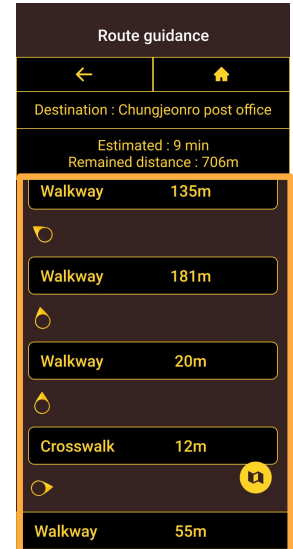
##### 5 Route guidance

Check the route to the  
destination by  
voice and map,  
⑥ choose the  
'Start Guidance.'



##### 6 Start guidance

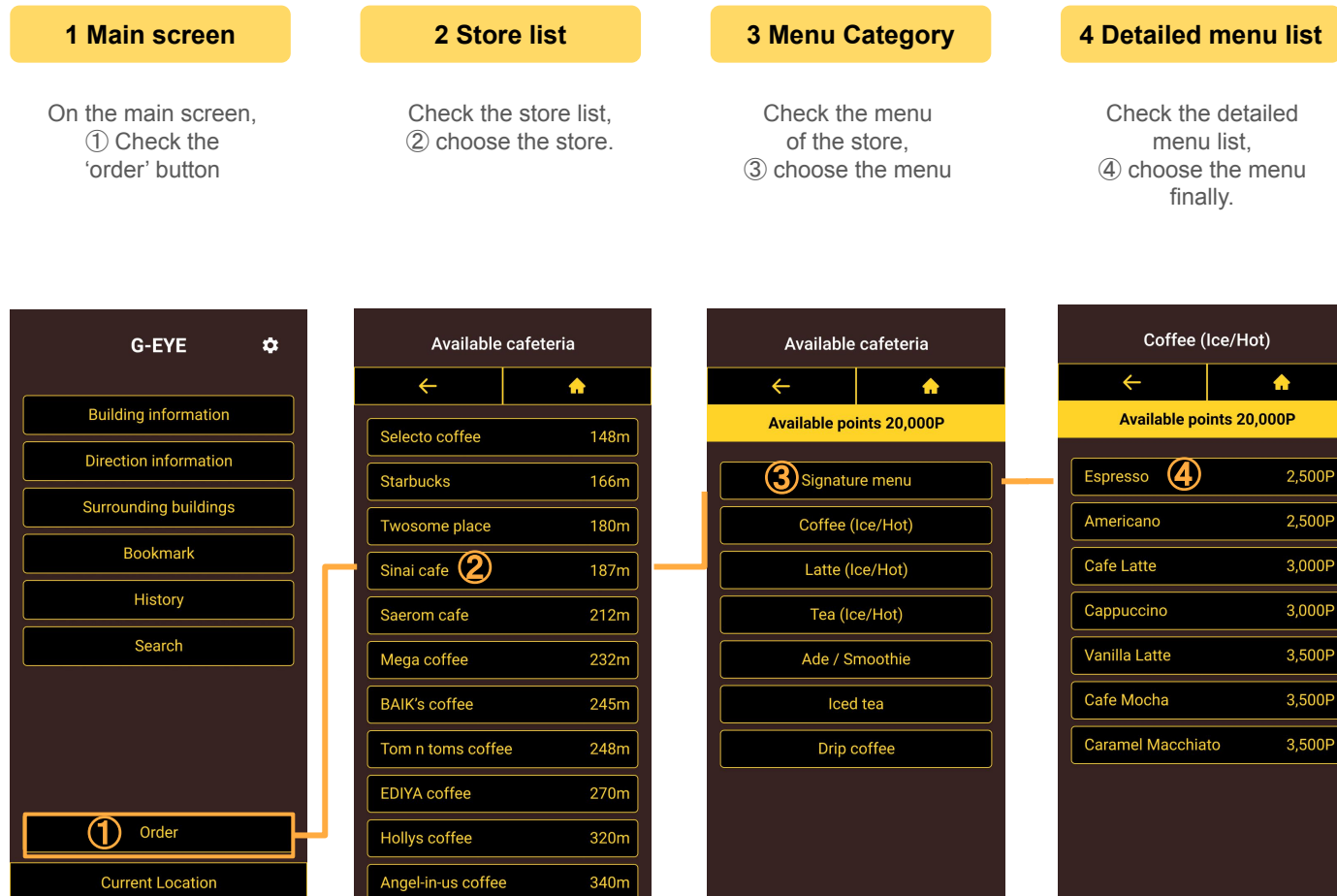
Walk to the destination  
considering the  
distance and direction.



## 05. How to use G-EYE+

### 5.2. Usability service

#### 5.2.1. Non-face-to-face order/payment service (1)



## 05. How to use G-EYE+

### 5.2. Usability service

#### 5.2.1. Non-face-to-face order/payment service (2)

##### 5 Select option

Select the menu,  
⑤ then choose  
options and details

##### 6 Cart

⑥ Check options,  
menu, quantity, price,  
After that, ⑦ check  
your shopping cart  
details and pay.

##### 7 Receipt

⑧ Check the  
receipt, and  
⑨ choose walkway  
navigation.

##### 8 Notification

⑩ Check the order  
number after order  
⑪ Then move to the  
store by using walkway  
navigation.

##### 9 Pick-up

⑫ Check the alarm  
from the store and  
pick-up the product.  
⑬ Push the pick-up  
button.





Everywhere accessible to everyone

*Barrier-free*