Ubicheck User Manual

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.
Any changes or modifications (including the antenna) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

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Nextronics Co Ltd

01. Before using Ubicheck

* 1) Safety Instructions
* 2) Components
* 3) Table of Contents

01-1) Safety Instructions

[Warnings]

[1] Users shall carefully read the following to protect the safety of users and prevent property damages, and keep user manual in a safe place.

[2] If users do not comply with the instruction, they may get severely injured.

<Instructions>

1	Do neither apply force to terminal, throw terminal nor shock terminal with sharp objects. Or it may cause heating, ignition or explosion.
2	Do not use device while driving. It may lead to direct or indirect accident.
3	Make sure to turn off the power in places (e.g. Airplane, hospital, etc.) where the use of electrical devices is prohibited. Or it may cause safety accident or affect the peripheral devices.
4	Keep terminals from children or pets. Terminal can be damaged when it is chewed up or sucked. If a kid uses terminal, his or her guardian shall instruct them how to use it correctly and check if they use it correctly.
5	Please do not use it in the humid environment. If the terminal is used in a closed and warm environment such as inside cars or Korean style sauna, it may cause corrosion/heating/ignition/explosion. In addition, humidity or liquid may cause damages to the parts and circuits of terminal.

01-2) Components

• Case	1	Including Simple Manual
• Mother Device (Transmitter)	1	Black Mother Terminal(1)
• SON Device (Receiver)	20	4 in 1 color X 5 colors = 20 sets
• Earphone	20	Earphone for SON Device
• Necklace Chains	21	Mother terminal X 1 and SON terminal X 20
• Charging Cable	1	Connection Cable(External Power and Case Power)
• Charging Board	1	Charging board which can charge 10 SON terminals and 1 MOTHER device simultaneously (Included in the case)
• Power Supply	1	Power Supply (Included in the case)
• Simple Manual	1	Including Warranty

01-3) Table of Contents
02) Looking through terminal
• Name and Functions of each part of terminal
- MOTHER terminal / SON terminal
- Front / Back
- Buttons

03) How to start Ubicheck
• Examining Functions
- Common Functions
- Broadcasting
* Instant broadcasting (live)
- Tag Search
* Tag search initial screen
* Screen to select tag search area (square / lobby / bus / boarding)
* Tags for execution screen
* Tag search result screen
* Individual tag search
* Individual tag search execution screen
* Tag tracking search
* Tag tracking search execution screen
- Tourist information inquiry
* Traveler information list screen
* Traveler information detailed inquiry screen
- Destination information
* Destination information execution screen
* Unfolded destination information screen
* Destination information detailed inquiry screen
- Configuration

02. Looking through device

1) Name and Functions of each part of terminal

1-1) MOTHER Terminal

- Microphone Jack
- Speakers
- Charger Jack/ PC Program Connection Jack
- Button [Power/Broadcast/Search]

• How to use buttons

Button	Functions
Power Button	Press shortly - Go to the previous screen Turn the power off / power - press and hold
Search Button	Press shortly – Search Screen Press longer – Broadcast Screen
Select Button	Press shortly – Select in the menu screen Press longer – Go to the main menu

Warnings: Be sure to check the directivity of connector when connecting microphone, charger jack and data cable.

1-2) SON Device

Earphone Charger Jack and Power Button

- Earphone jack
  - Power button

[During broadcast] – Volume change

[During normal time] - Press for 2-3 seconds, then it flashes red. Release the key for emergency call

[During normal time] - Press for 4-5 seconds, then it flashes red and light goes off. Releases the key to cut off power.

[When power is off] – Press key gently, then LED blinks and power is turned on.

Warnings: Check the directivity of connector when connecting earphone and charger jack.

03. How to start Ubicheck

Configuration of the whole menu

Order	Menu Name	Description
1	Broadcast	Wireless Broadcast
2	Tag Search	Searching tourists' tags. Inquiry about the existence of tags and information on distance
3	Passenger Information	Screen for the inquiry about the tourist information downloaded from PC
4	Destination Information	Screen for the inquiry of the destination information downloaded from PC
5	Configuration	Language setting, etc.

1) Common Functions

1-1) SUB MENU / Shortcuts

All screens, except for the initial screen, contain SUB MENU. SUB MENU, configured to each menu, provides functions- 'Tag Search/Broadcast', 'Previous Screen/Power OFF". SUB MENU is executed by 3 buttons at the bottom of device and the buttons are connected in sequence. For example, if "Search", "Select", "Previous" are displayed in SUB MENU at the bottom of screen, the left button at the bottom of device calls "Search" function and the middle Select Button performs "Previous" function. Thus the buttons at the bottom of screen serves as shortcuts.

1-2) Go to the main menu

In all screens, except for the initial screen, if the middle button at the bottom of device is pressed for 2-3 seconds, you can go to the main menu.

1-3) Turning off device

In all screens, if the right button is pressed for 2-3 seconds, the power is turned off.

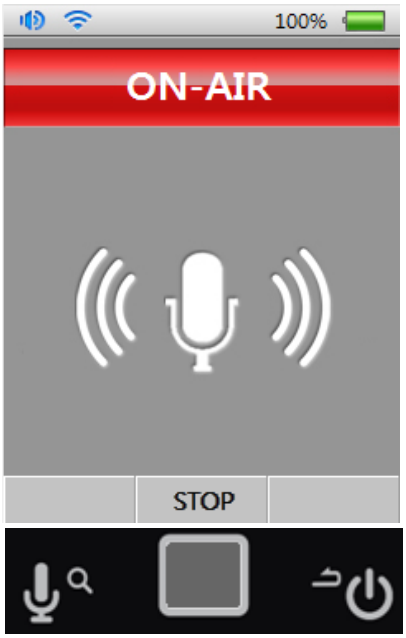
1-4) Menu Select Key

The middle key at the bottom of terminal serves as mouse. If the middle key is moved by fingers in the selectable menu, the menu will move from left to right. In addition, if the screen needs to be scrolled down because it contains too long contents, rub the middle button down using fingers. To move in the opposite direction, scroll the screen in the opposite direction

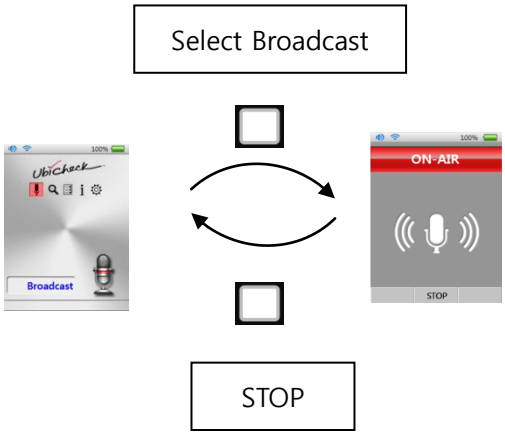
2) Broadcast

Tourists can listen to the guide by plugging earphone into the tag provided when the terminal starts broadcasting. The left screen executes functions.

2-1) Instant Broadcast (Live Broadcast)



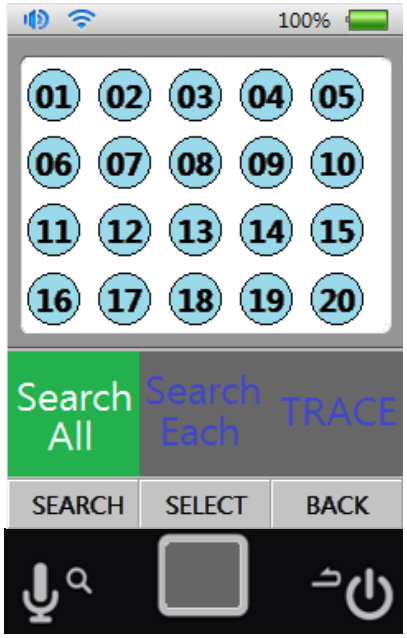
To increase the life of battery, screen turns off while broadcast continues after 10 seconds of the start of broadcast. If buttons or mouse touched, the screen will be turned on, yet will turned off again after 10 seconds if there is no key operation. Press "STOP" to end broadcasting.



3) Tag Search

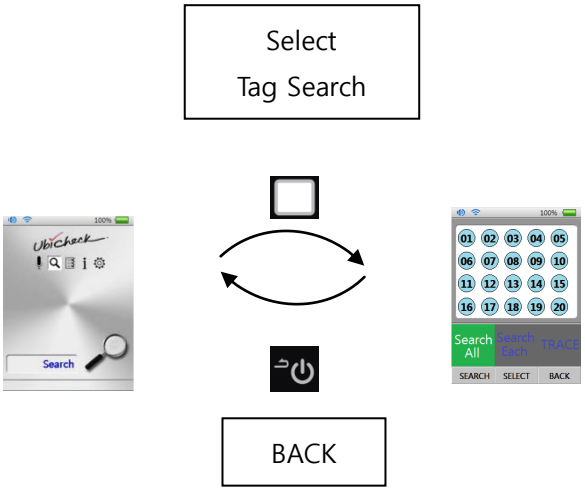
Place Select Menu rectangle in the area for searching tags and press the middle button to go to Tag Search screen [3-1].

3-1) Tag Search Initial Screen



The numbers of terminal appear in a small circle in accordance with the number of tourist set in the terminal. Light blue color means searching has not been conducted. If the number of tourist exceed 20, scroll bar is generated in the right side of terminal. Rub the middle button at the bottom of terminal to scroll down the screen.

To execute Total Search, let Select Menu box "Search All" and press Select button. If you do so, you can go to the screen for selecting tag search areas [3-2].

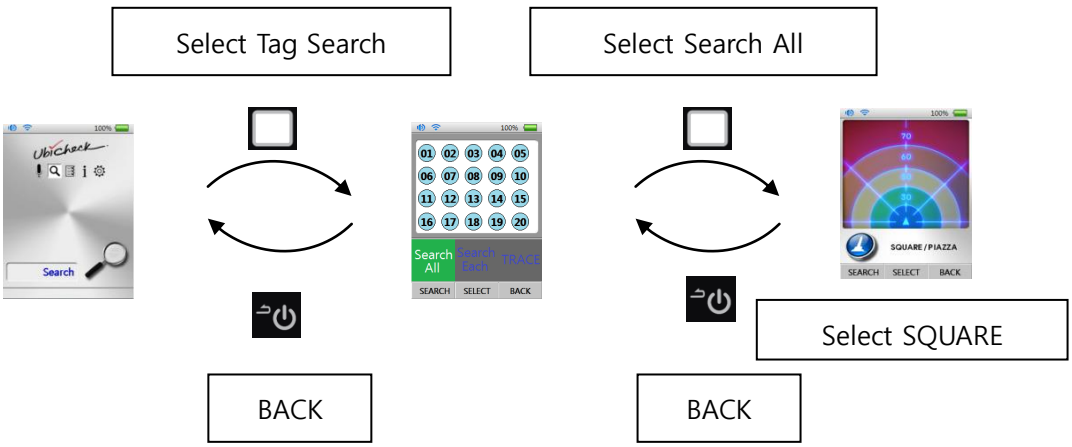


3-1-1) Screen for the selection of tag search areas - SQURE/PIAZZA

This product enables it to calculate the distance between guide and tourist roughly using wireless transceiver mounted in the terminal for guide and tags for tourists, thereby checking if there is any person who is deserted. The table below shows rough distance and the values may vary depending on the surrounding environment. Please refer.

Search Mode	Areas for use (example)	Search Range
SQUARE	Outdoor square	Within about 70m
LOBBY/HALL	Halls in museums or exhibition halls	Within about 50 m
BUS/TRANSPORTATION	In vehicles such as buses	Within about 20m
ON BOARD	Boarding on buses	Within about 1-2 m

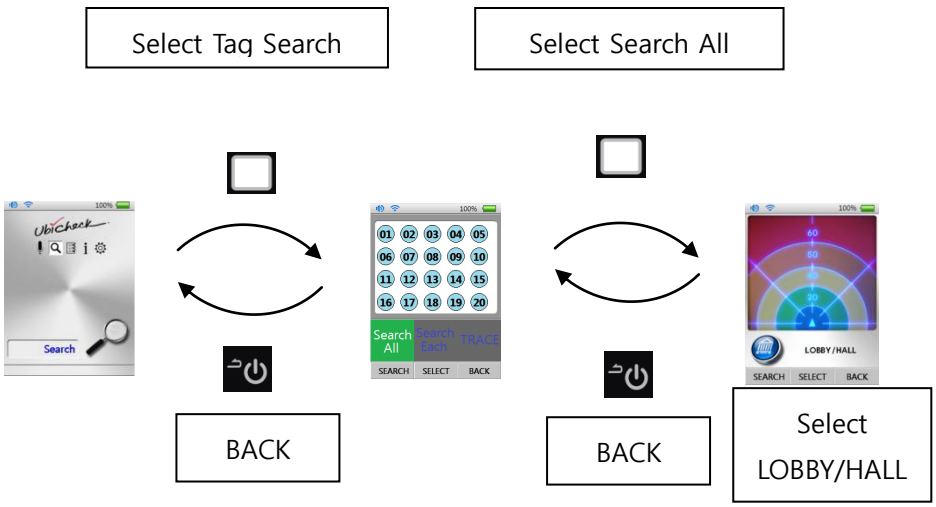
This mode is for outdoor searching, covering the widest area among the Total Search modes.
Press the middle button to use this mode.



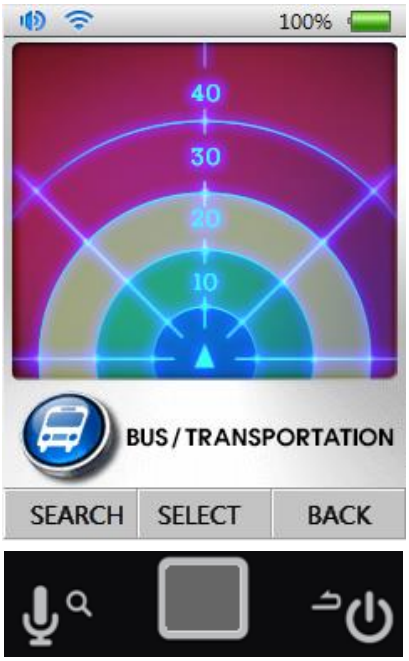
3-1-2) Screen to select Tag Search areas - LOBBY/HALL

This mode covers wider areas than busses, so can be used for searching in indoor rooms in museums or exhibition halls. Select the following mode for wider searching.

Press the middle button to use this mode.

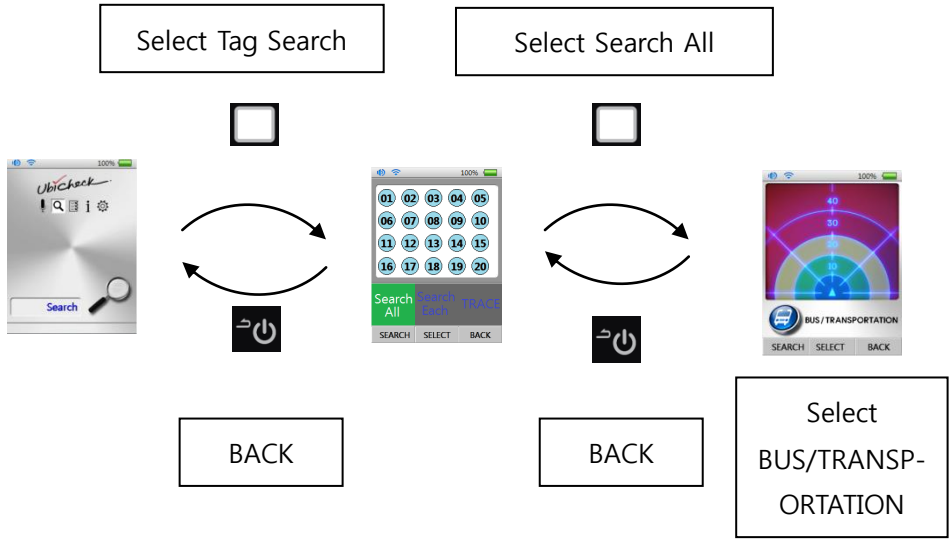


3-1-3) Screen to select Tag Search areas - BUS/TRANSPORTATION

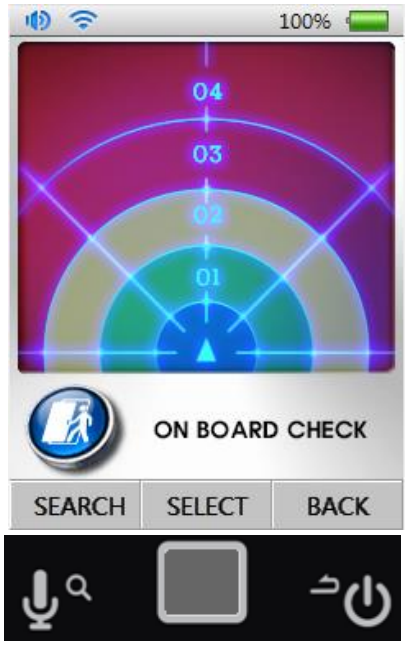


This mode is used to check if there is any person deserted in small places such as buses. Rub the middle button in the terminal to select other modes.

Press the middle button to use this mode.

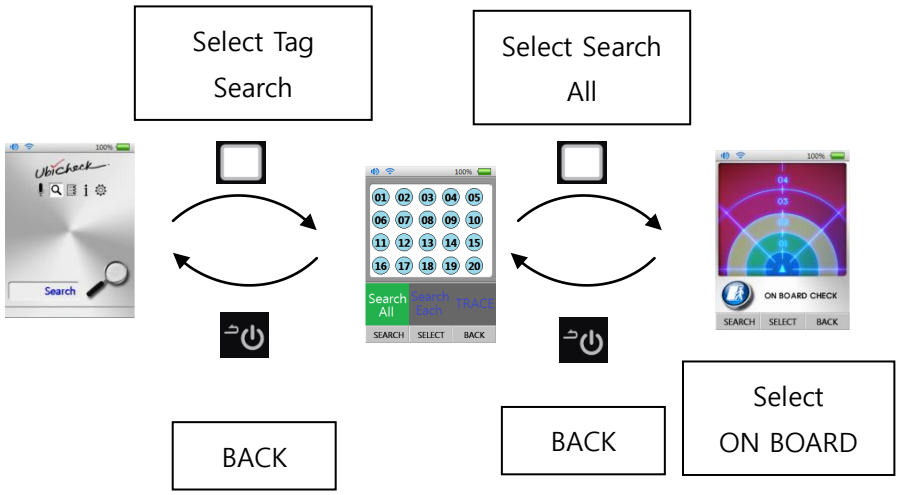


3-1-4) Screen to select Tag Search areas – ON BOARD



This mode is used to search the smallest areas. So this mode is used to search tourists by the entrance of buses while they are boarding buses.

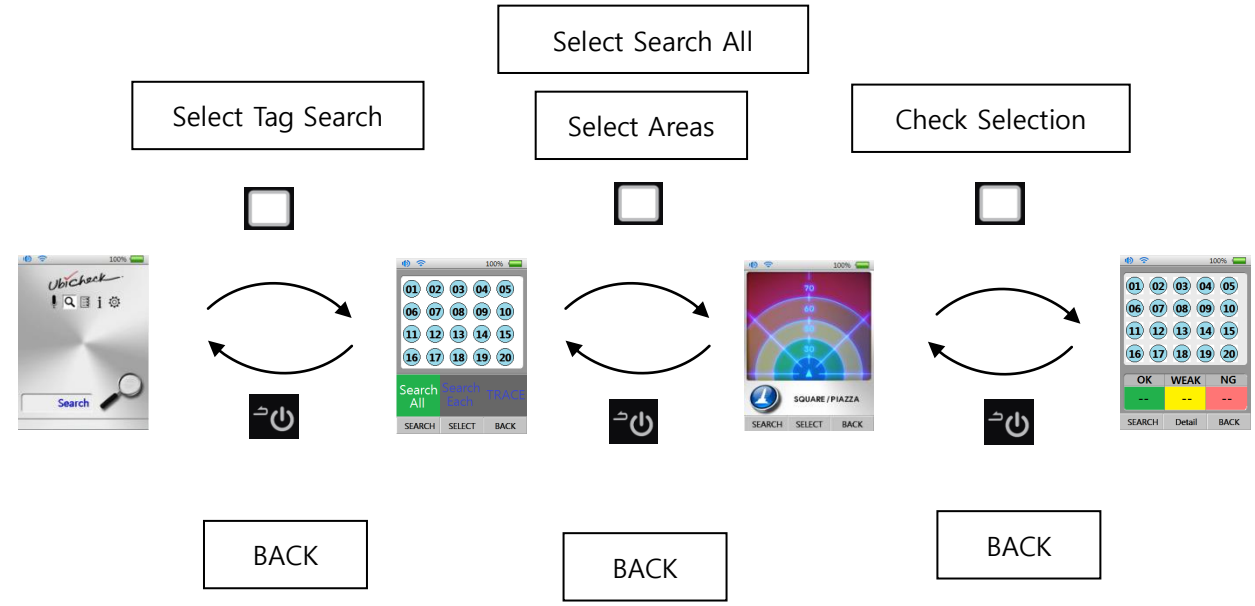
Press the middle button to use this mode.



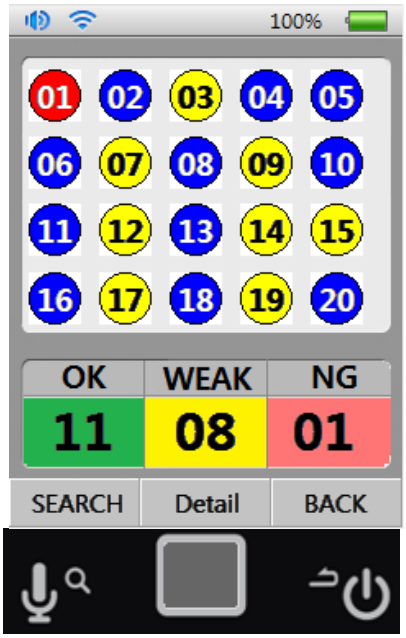
3-2) Tag Search execution screen

This screen appears if the search areas are determined and search is executed. The whole tag numbers blink, indicating searching is in process.

The tags which are searched are displayed in green and the tag which are searched yet have weak signal are displayed in yellow and the tags which are not searched are displayed in red.

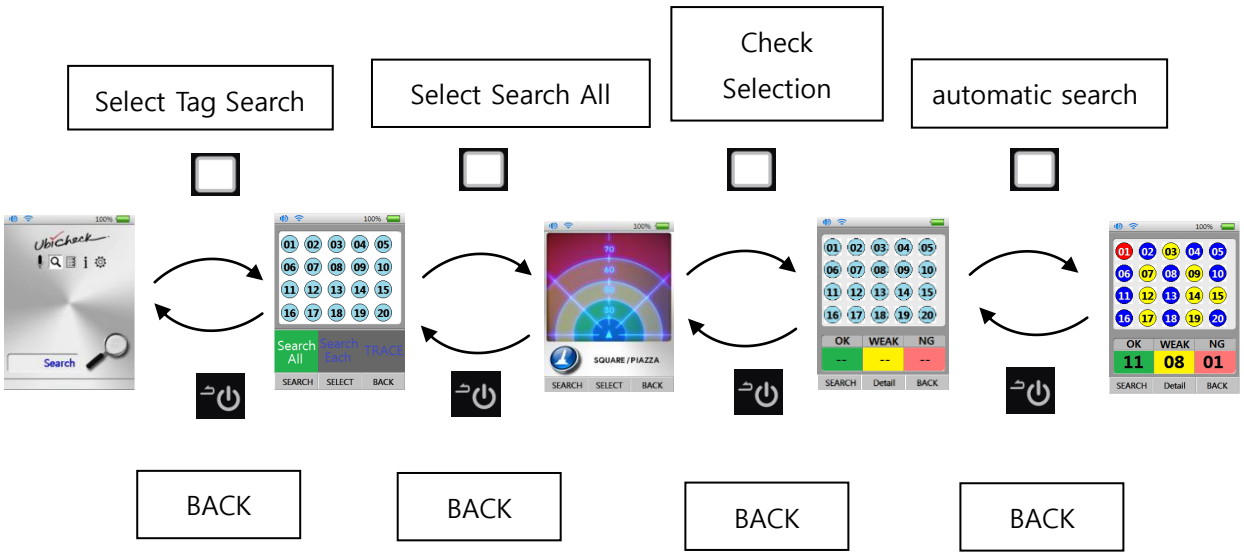


3-3) Tag Search Execution Screen



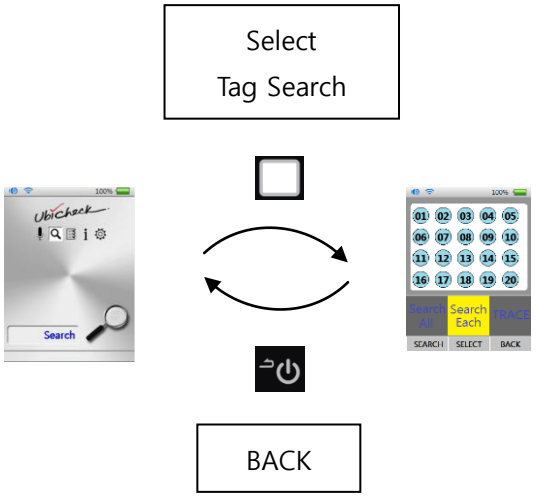
When search is conducted after about 7-8 seconds, the results are displayed in colors. Tags were displayed in sequence from 1 in the past, but the tags for which searching failed are displayed first in the Search Results screen.
For example, the current screen shows tag 1 failed; tag 2,4,5,6,8,10,11,13,16,18,20 are normal; tag 3,7,9,12,14,15 have been searched but have weak signal.

For the tags for which searching was failed like No.1, only the tag can be searched again using the following individual tag search function.

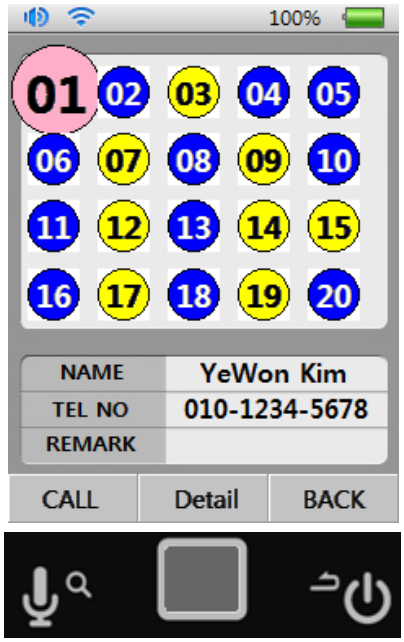


3-4) Individual Tag Search

This menu is used to search the tags for which search failed after the total search. The figure below is the execution screen.



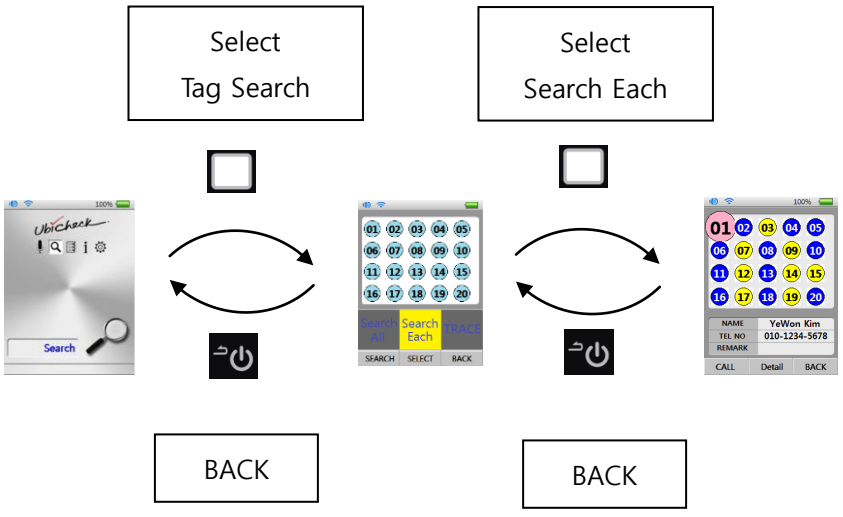
3-4-1) Individual Tag Search Execution Screen



The tags that were not searched on the basis of the results of previous search are displayed in red, while normal tags are displayed in blue and the tags with weak signal are displayed in yellow.

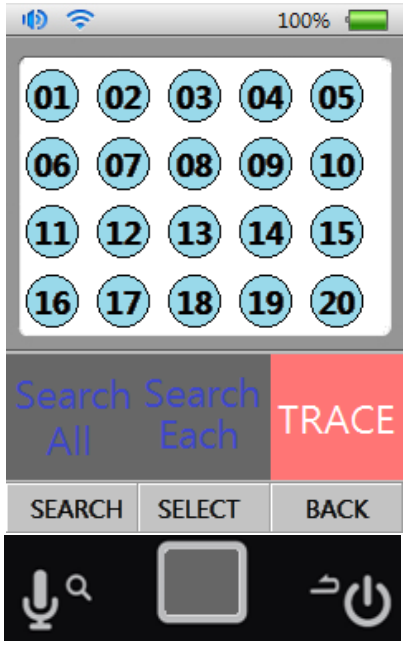
Middle mouse button moves the screen left, right, up and down. The re-selected tags have larger circles than other tags and the information of tourists who have tags are displayed at the bottom.

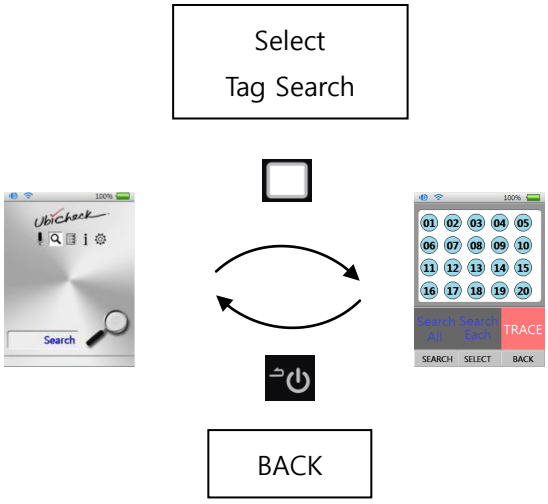
By pressing "Call" button, you can search that particular tag again. By pressing "Details", you can look the details including the photos of tourists



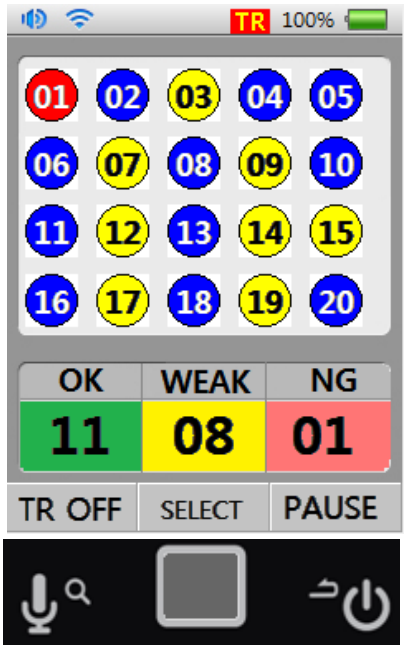
3-5) Tag Tracking Search

This menu is used to search the tags for which search failed after the total search. The figure below is the execution screen.





3-5-1) Tag Tacking Search Execution Screen



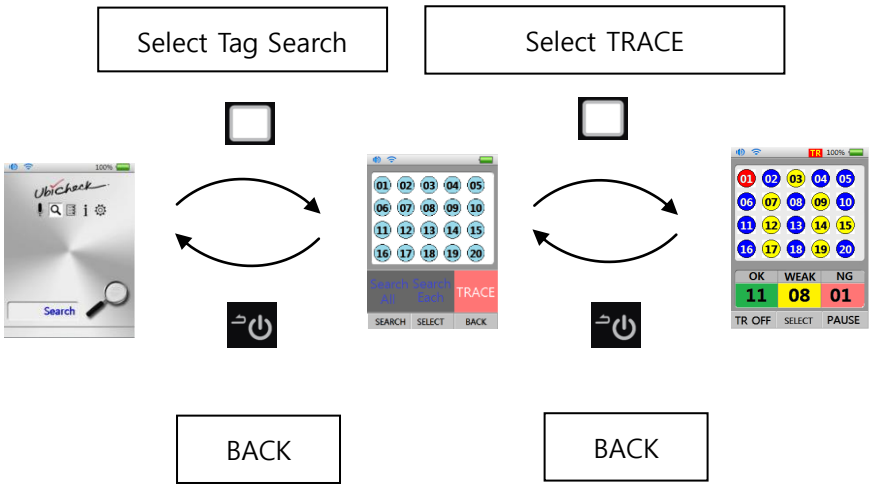
Tracking Search is a mode which enables it to continuously check the existence of tags, and is used for the movement in groups. Total search and individual search work for the specific time, yet the tracking search continues to work unless separate "End Search" is selected. It searches and display the results in real time. The tags in the distance of about 20m are displayed in green; the tags on the boundary are displayed in yellow; the tags for which search failed are displayed in red. If tags enter the certain distance, they change to green.

Since it continues to search tags, more power is consumed than other mode. If you keep it switched on all the time, it will consume battery quickly. If you move to other mode using shortcut, TR Mode is automatically turns off.

If you want to execute tracking search, execute TR ON on the left at the bottom. If it starts, TR is displayed in red at the top of the screen. If you want to end tracking search, press TR OFF key at the bottom.

Right shortcut works by "Previous" button in the state of TR OFF, by "Pause" in the state of TR ON and by "Restart" in the state of "Paused".

The tags which were not searched are displayed first according to the state of real time search. It there are more than 20 tags, you can check the bottom by scrolling them.

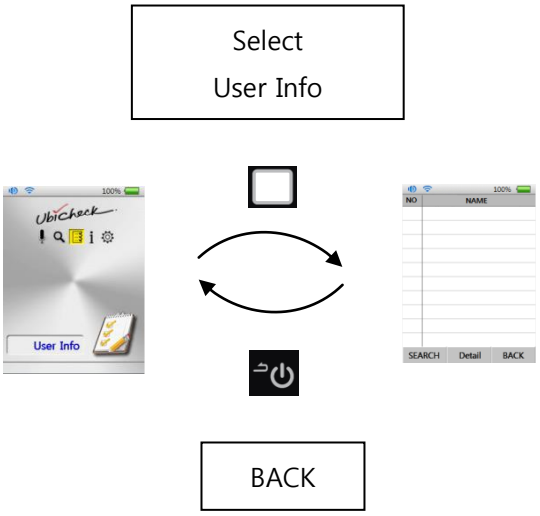


4) Tourist Information Inquiry

This function allows you to search the tourist information downloaded from PC administrator program using terminal.
If you choose this menu, this screen appears.

4-1) Tourist Information List Screen

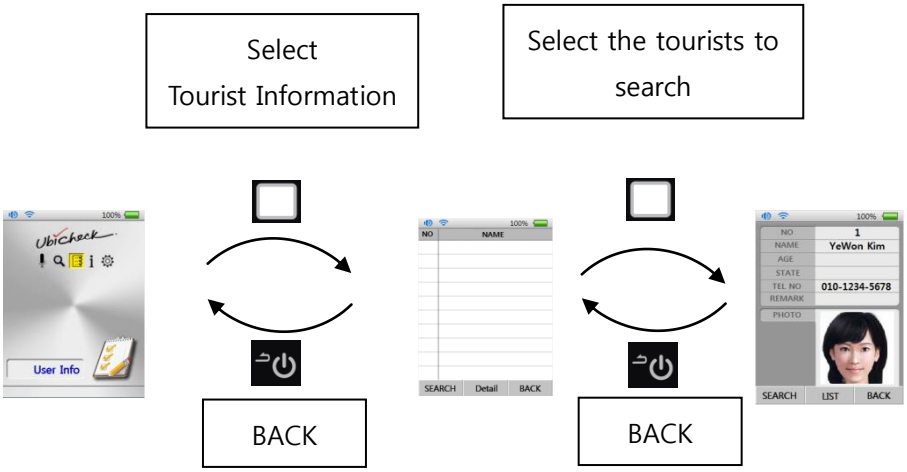
Tourist information is displayed in list.
Move mouse to move the screen up and down using fingers. To see the detailed information of the selected tourist, press the middle button.



4-2) Detailed Tourist Information Inquiry Screen

This screen allows you to look up the information of the selected tourist. This information can be generated/edited in PC Administrator Program. If you select Tag Detailed Information, this screen is brought.

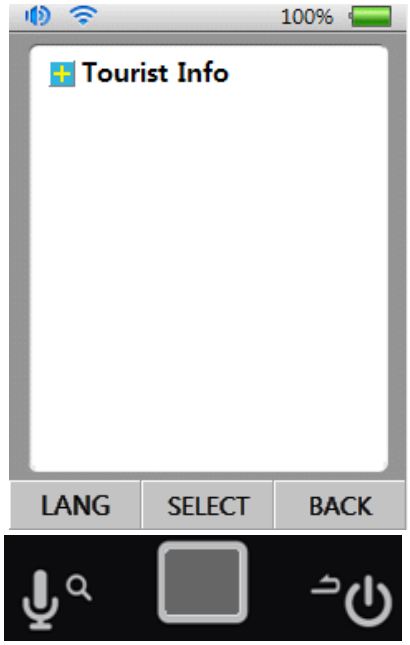
- Number-Tag number
- Name – The name which was input in administrator program
- Age – The age which was input in administrator program
- Status - Search Results – [normal / weak signal / faillure]
- Contact – The phone number which was input in administrator program
- Remarks- Remarks input in administrator program
- Photos-The photos input / taken in administrator program



5) Destination Information

This screen allows you to loop up the destination information input in PC administrator program.

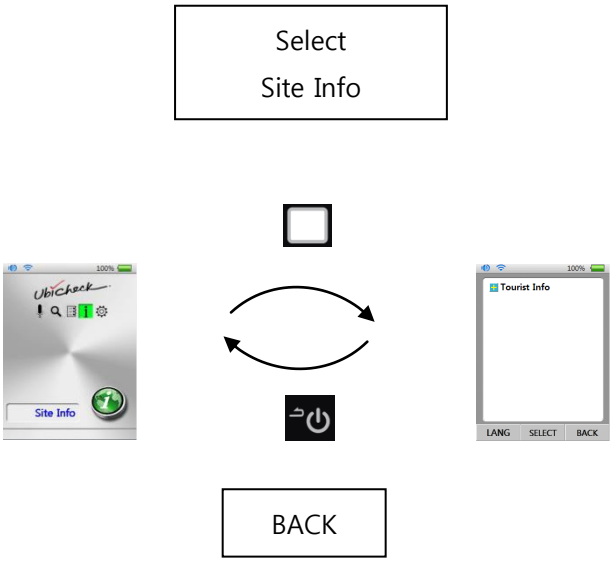
5-1) Destination Information Execution Screen



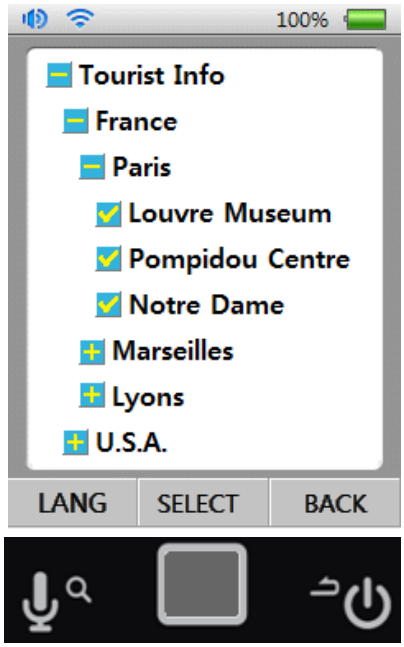
Contents can be seen in TREE types. By selecting mouse with mouse, the sub-items can be seen.

"+" mark means there are sub-items; "-" mark means the sub-items are unfolded; "v" mark means there are no sub-items but details can be displayed in separate screen.

Items can be unfolded or folded again using mouse. If you want to unfold the selected items, press "Select" button. If you want to fold them again, press "BACK" key.

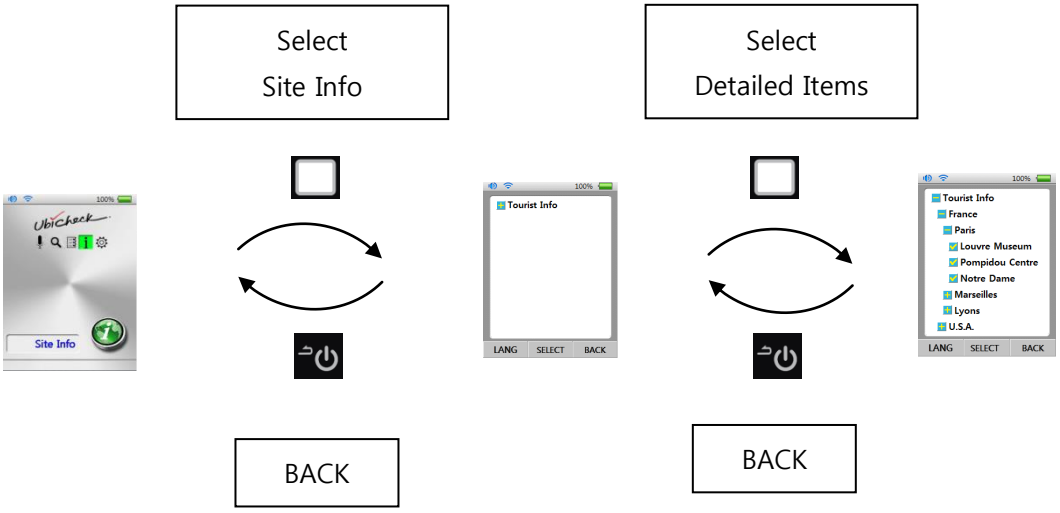


5-2) Unfolded Destination Information Screen



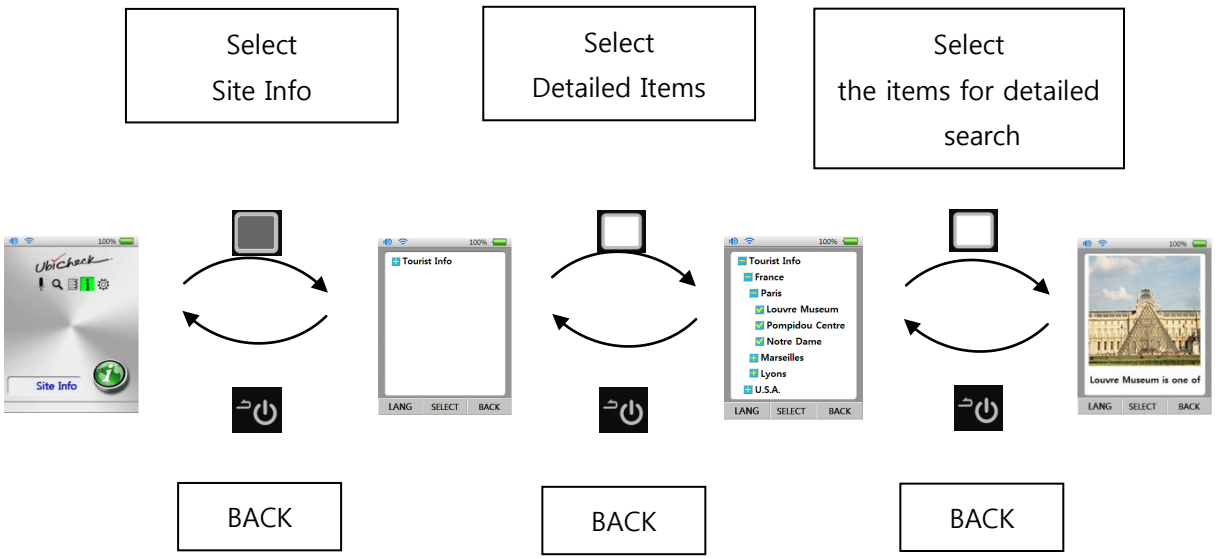
"LANG" key allows you to choose different language from language pack.

Select the item with "v" mark using mouse, then the details of that item are displayed in the separate screen.



5-3) Destination Information Detailed Inquiry Screen

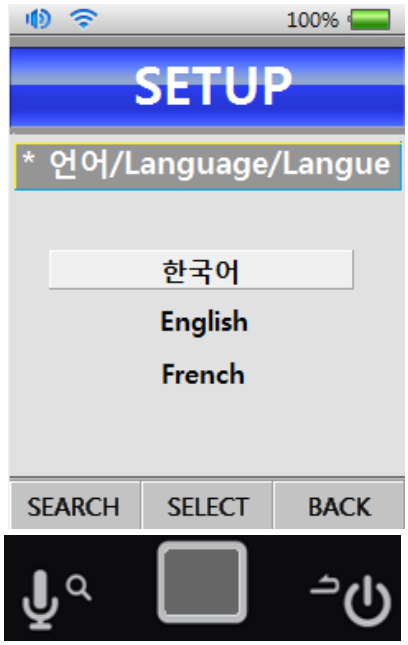
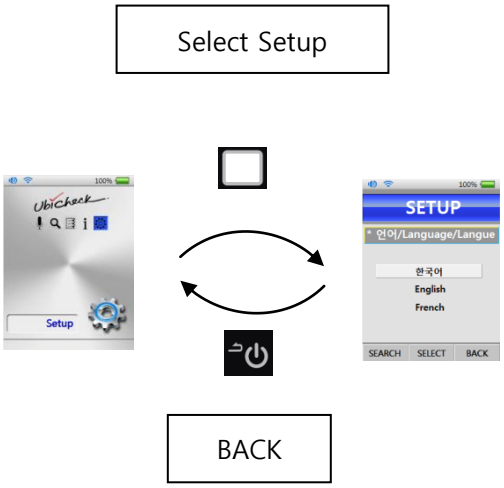
You can scroll up/down the screen containing long contents using mouse button.



6) Configuration

You can change the language of menu in Configuration

6-1) Configuration Execution Screen



Choose language and press "Select", then the language of menu changes into the selected language.