

# **5G pocket router**

## **UX Framework**

Version 1.1

December 11, 2019

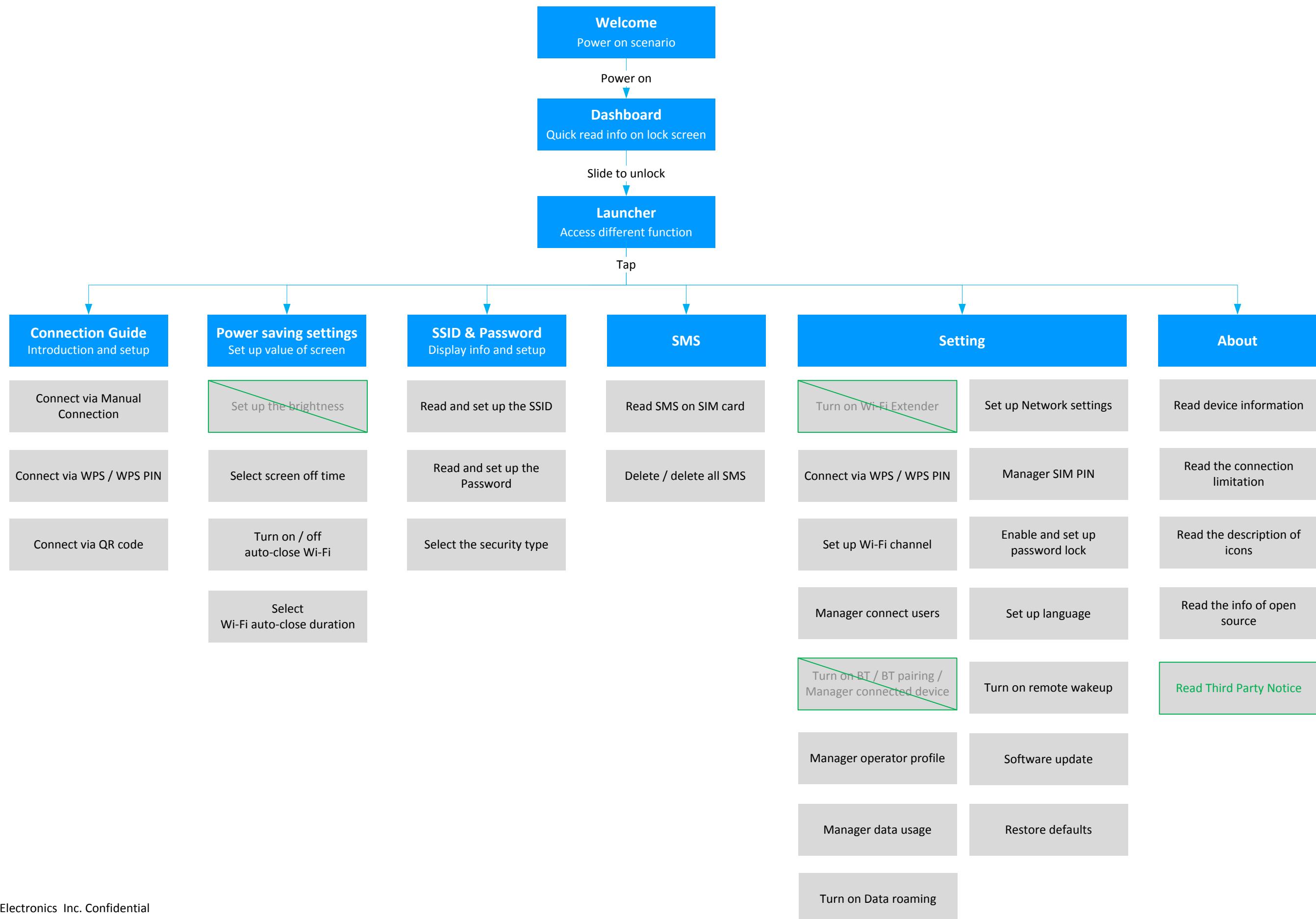
EID / AR / UI

Compal Electronics, Inc

## Revision history

Rev.	Date	Description	Author
V 0.1	2019/02/25	<ul style="list-style-type: none"> <li>Internal release I</li> </ul>	Winnie Chan
V 0.2	2019/03/07	<ul style="list-style-type: none"> <li>Internal release II</li> </ul>	Winnie Chan
V 0.3	2019/03/18	<ul style="list-style-type: none"> <li>Revise the Launcher order. --P5,12</li> <li>Revise the typo of DMF as DFS. --P5</li> <li>Add back function when enter password. --P12</li> <li>Revise the status of tick, if none input. --P7,13,18</li> <li>Revise the status of delete, if none item.--P16</li> <li>Revise the string of input PUK.--P26</li> <li>Remove the item of Heat protection. --P30</li> </ul>	Winnie Chan
V 0.4	2019/04/01	<ul style="list-style-type: none"> <li>Add the meta text description –p.9</li> <li>Remove the note and revise typo of Wi-Fi. –P10</li> <li>Add scroll bar condition list – P.11</li> <li>Revise the brightness list. –P15</li> <li>Add Wi-Fi extender status note. --P18</li> <li>Revise Bluetooth on condition. --P,19</li> <li>Add Home button condition.—P19</li> <li>Revise Bluetooth condition and add the remove list flow.--P21</li> <li>Remove the BT connection loading screen. –P22</li> <li>Add operator name to note and IME tick button condition –P.23</li> <li>Revise the pass code input condition –P.28</li> </ul>	Gwynne Li
V 1.0	2019/10/25	<ul style="list-style-type: none"> <li>Separate WiFi setting with 2.4G &amp; 5G. –p.3, 9, 18, 19</li> <li>Remove “Set Brightness” in Power Saving. –p.3, 15</li> <li>Remove “WiFi Extender” and “BT” in Settings. –p.3, 5, 9, 20,</li> <li>Set tick button to inactive state if keyboard input was empty. – p.7, 16, 21</li> <li>Add “WiFi Enable/Disable” and “Hide SSID” option in WiFi Setting. –P.8, 10, 19</li> <li>Remove the note and revise typo of Wi-Fi Remove “WiFi Band”. –P.10</li> <li>Remove QR code button. –p.14</li> <li>Separate 2,4G &amp; 5G in SSID, Add SSID password visible. P.16</li> <li>Add edit button in header for profile management. P.21</li> <li>Remove “BT mac address” and “BT name” in Device Inforamtion. –p.28, 29</li> </ul>	Winnie Chan
V 1.1	2019/12/11	<ul style="list-style-type: none"> <li>Remove symbol ‘. --P7</li> <li>Remove List menu scroll bar. --P11, 17</li> <li>Revise wording Wi-Fi 2.4G, Wi-Fi 5G. --P18, 19, 20, 21</li> <li>Revise the user name as Mac address. --p9, 20</li> <li>Add Third party notice. --P3, 29</li> </ul>	Winnie Chan

## Function Structure



# Wireframe

- 1. General: status bar, Dashboard, Launcher, Headline, Information page
- 2. Input method
- 3. List menu
- 4. Notification
- 5. Scroll bar

## Wireframe

**1.General**

**1.1. Status bar**

Status bar  
SIM card status  
Operator name / SIM card unavailable  
SSID name  
TWM  
COMPAL-168  
REMAIN 200 MB  
DEVICE 05  
HOURS LEFT 2  
2019/2/18 (Mon)  
» Slide to unlock

**1.2.Dashboard**

Status bar  
Dashboard  
Current time yyyy/mm/dd (week) empty if no SIM card  
Hint of operation  
TWM  
COMPAL-168  
REMAIN 200 MB  
DEVICE 05  
HOURS LEFT 2  
2019/2/18 (Mon)  
» Slide to unlock

**1.3. Launcher**

Status bar  
SIM card status  
Operator name / SIM card unavailable  
SSID name  
Contents:  
-Connection Guide  
-Power saving settings  
-SSID & Password  
-SMS  
-Settings  
-About  
-Speedtest  
TWM  
COMPAL-168 SSID  
Connection Guide  
Power Saving  
SSID  
Available usage space  
Page indicator  
Data usage counter and bar  
100KB  
15:00 4G 5G 100% TWM COMPAL-168 SSID SMS Setting About 100KB

**• Status bar**  
**Time 24 format**  
15:00  
**Signal strength**  
Signal strength  
SIM absent indicator  
**Radio tech**  
5G = 5G network for Sub-6GHz or mmWave  
4G+ = Carrier Aggregation enabled  
4G = Long Term Evolution (commonly and falsely known as 4G)  
H+ = HSPA+ (HSDPA+, HSUPA+)  
H = HSPA (HSDPA, HSUPA)  
3G = UMTS (3G)  
E = EDGE (2.5G)  
G = GPRS (2G)  
R = roaming (this means you're not on your home network)  
**Data flow indicator**  
Upload  
Download  
Both upload and download  
**Connected users counter**  
Connected Wi-Fi device (16)  
Connected Bluetooth device  
**Wi-Fi band**  
Wi-Fi band 5G  
Wi-Fi band 2.4G  
Wi-Fi band 2.4 + 5G  
**Unread messages**  
Unread messages  
**Others**  
DFS  
Indoor  
**Battery level**  
100% Battery level  
10% Charging

**Note:**  
Real time display the information.  
Read only  
Data usage counter: Indicate the available space of data.  
User number: Indicate the number of connected users.  
Battery percent: Indicate the use of time of power.

**1.3. Launcher**

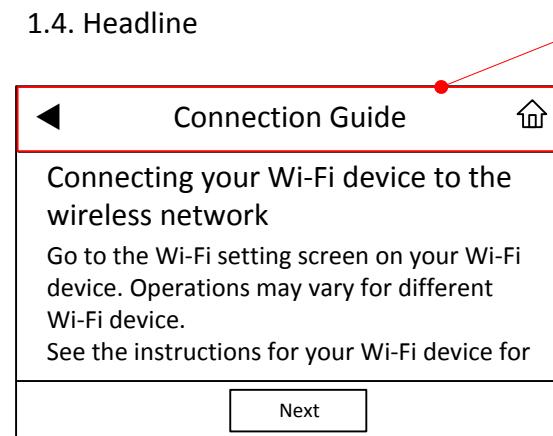
15:00 4G 5G 100% TWM COMPAL-168 SSID  
Speedtest  
100KB

**Note:**  
Slide to switch full page  
Display an indicator icon with number on SMS

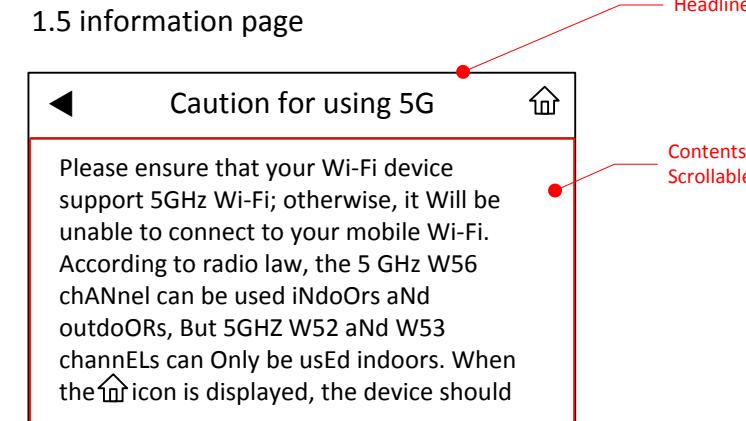
## Wireframe

### 1.General

#### 1.4. Headline



#### 1.5 information page

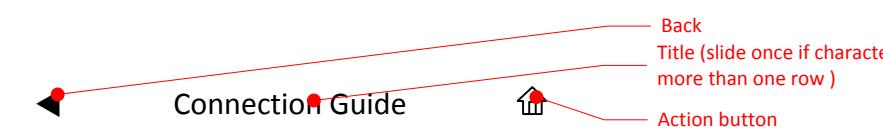


- Multi-page info

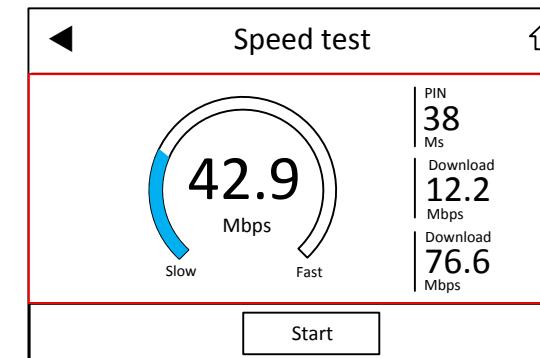
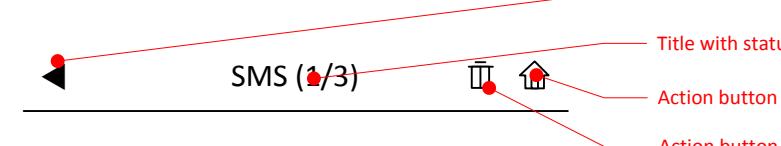
Please ensure that your Wi-Fi device support 5GHz Wi-Fi; otherwise, it Will be unable to connect to your mobile Wi-Fi. According to radio law, the 5 GHz W56 chANnel can be used iNdoOrs aNd outdoORs, But 5GHZ W52 aNd W53 channELs can Only be usEd indoors. When the icon is displayed, the device should

Contents  
Scrollable

- Title with 2 icons



- Dynamic title with 3 icons

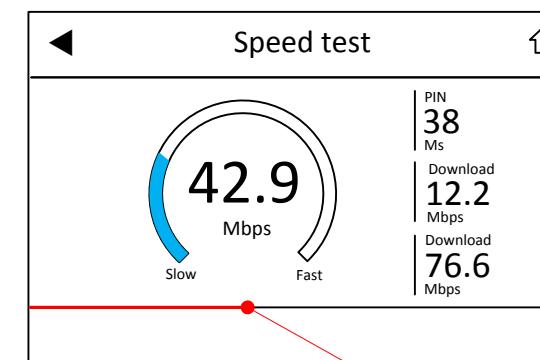


- Multi-page info with 1 action button

Connecting your Wi-Fi device to the wireless network  
Go to the Wi-Fi setting screen on your Wi-Fi device. Operations may vary for different Wi-Fi device.  
See the instructions for your Wi-Fi device for

Contents  
Scrollable

Next



Please select the WPS or enter WPS Password to connection.

WPS

WPS PIN

Profile name: TWM

APN: internet

User name:

Password:\*\*\*\*\*

Create

Select

Delete

#### Note:

Display scroll bar while scrolling.

Display effect if scroll to top or bottom.

Action button will always show on top while scrolling

## Wireframe

## 2. Input method

## 2.1. Numeric only keyboard

X Enter password to unlock ✓

Hint of operation

Input display

Numeric keyboard

0	1	2	3	4	<input type="button" value="x"/>
5	6	7	8	9	<input type="button" value="x"/>

## 2.2. Abc / 123 keyboard

X Modify ✓

COMPAL-168 |

Scrollable Characters: A-Z

A	B	C	D	E	F
123	A/a	!#\$	□		

## 2.3. Symbol keyboard

X Modify ✓

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Scrollable Characters:

! # \$ ( ) \* - . / = @ [ ]  
^ \_ { | } ~ % & +  
\ : ; " < > , ?

!	#	\$	(	)	*
123	a/A	!#\$	□		

X Enter WPS PIN ✓

Enter a 4 or 8-digit number

Numeric keyboard

0	1	2	3	4	<input type="button" value="x"/>
5	6	7	8	9	<input type="button" value="x"/>

X Modify ✓

COMPAL-168 |

Scrollable Characters: a-z

a	b	c	d	e	f
123	a/A	!#\$	□		

Note:  
The area of symbol can be scrolled (no loop)

X Modify ✓

| Enter SSID

Highlight selected

Scrollable Characters: 0-9

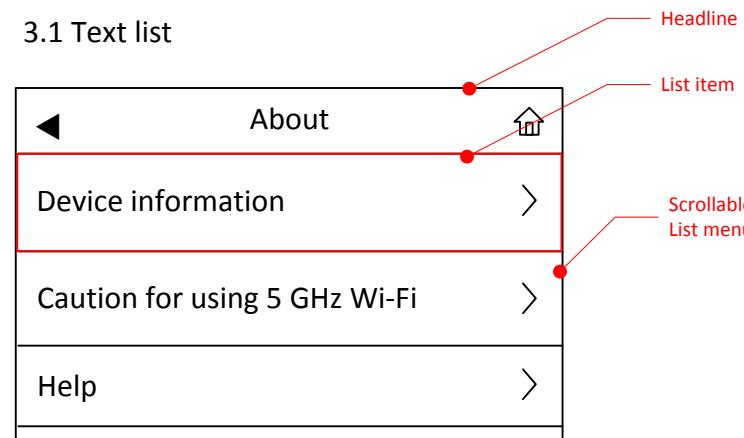
0	1	2	3	4	5
123	a/A	!#\$	□		

Note:  
The area of number / characters can be scrolled (no loop)

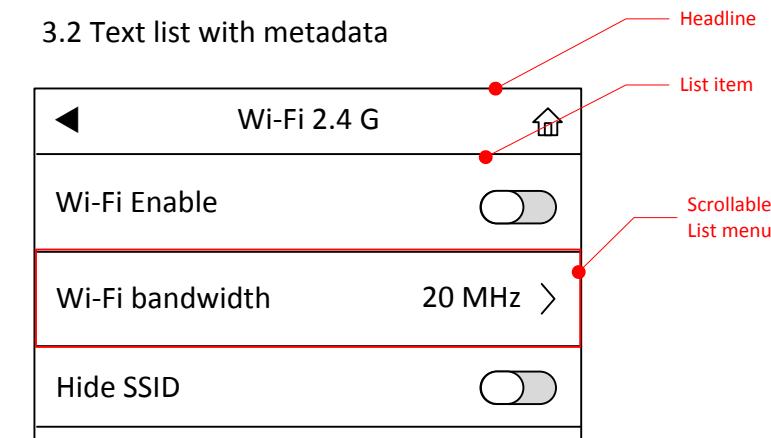
## Wireframe

### 3.List menu

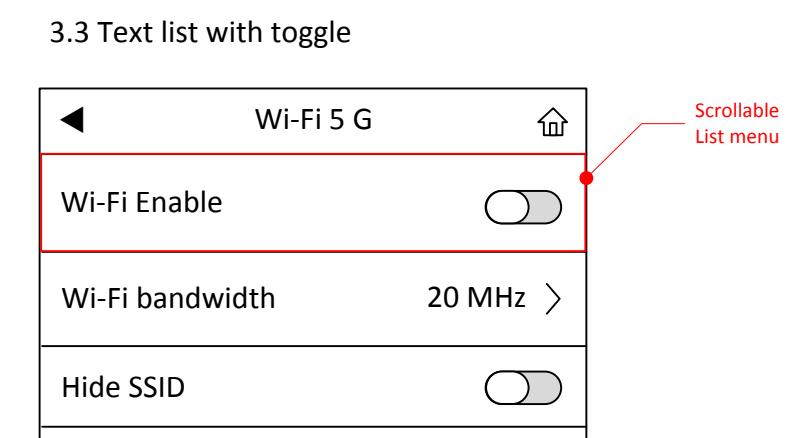
#### 3.1 Text list



#### 3.2 Text list with metadata



#### 3.3 Text list with toggle

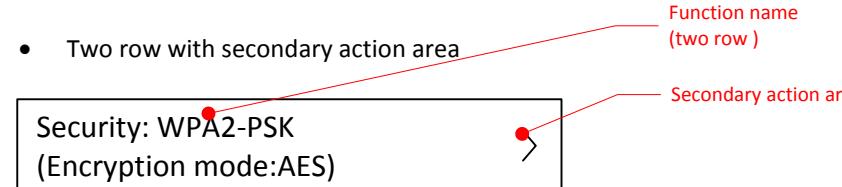


#### List item

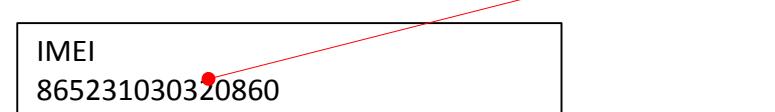
- One row with secondary action area



- Two row with secondary action area

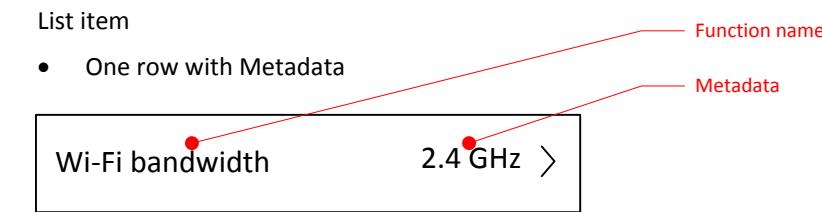


- Two row



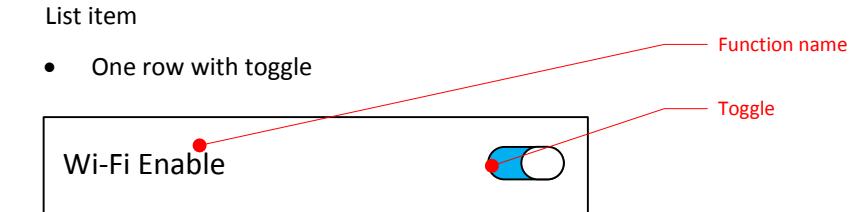
#### List item

- One row with Metadata

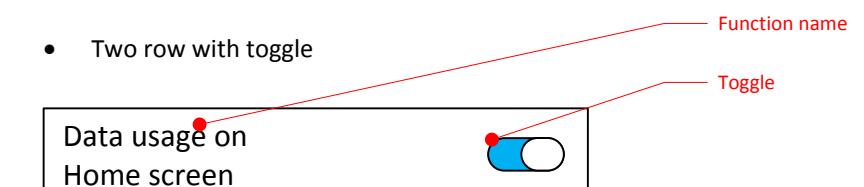


#### List item

- One row with toggle



- Two row with toggle



#### Note:

The page of list items can be scrolling (no loop)

Display scroll bar while scrolling.

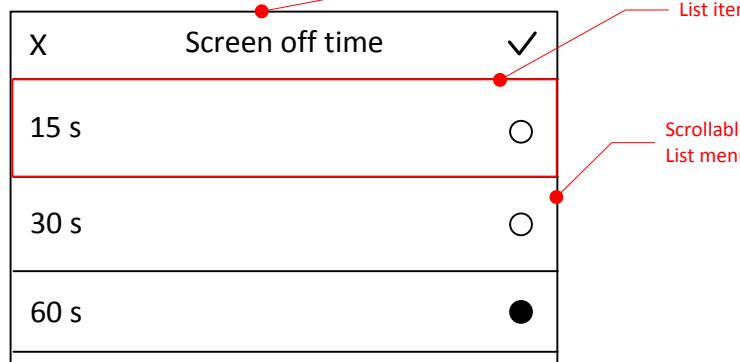
Display effect if scroll to top or bottom.

Press list item to access secondary level.

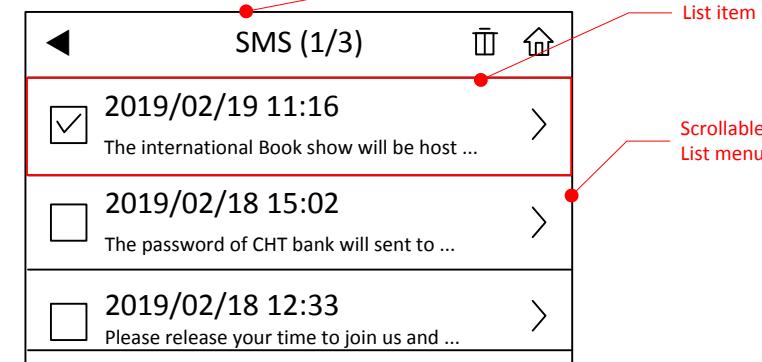
## Wireframe

### 3.List menu

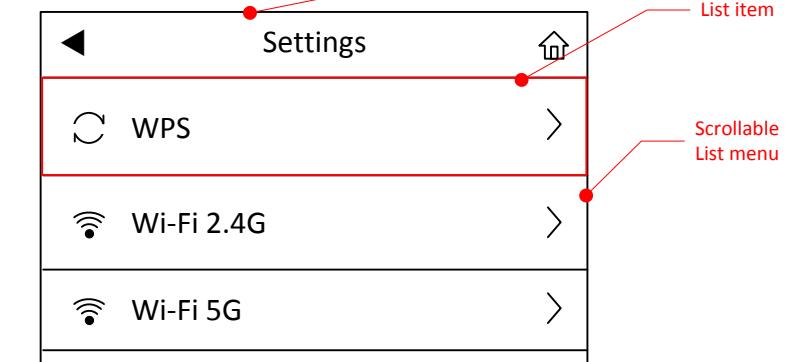
#### 3.4 Text list with radio button



#### 3.5 Text list with checkbox



#### 3.6 Text list with icon



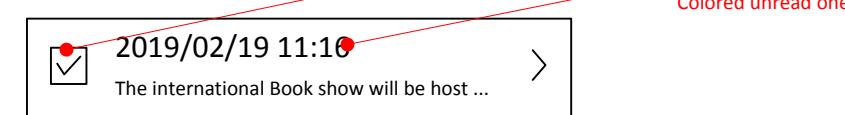
### List item

- One row with radio button

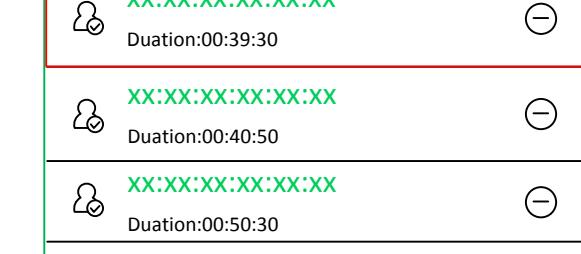


### List item

- Two row with list control

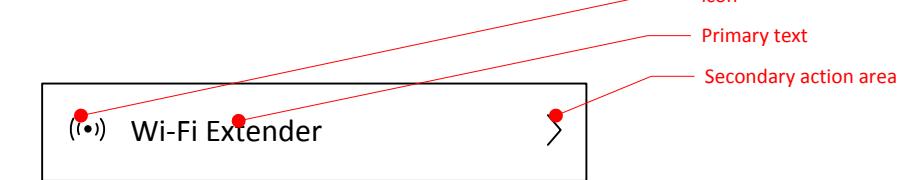


### Connected Users



### List item

- One row with icon



- Tow row with icon



- One row with icon



## Wireframe

**4.Popup**

**4.1. Confirm**

Icon  
Contents  
Mask 60%  
Action button  
Action button

**4.2. Information**

Establishing WPS connection  
Please press the WPS button on the Wi-Di device within 120s.  
Time remains 100s.  
Cancel

**4.3. Warning**

Animation Progress  
Status  
Mask 60%  
Failed

**Note:**  
This will auto time out after 1.5 sec

**4.4. Processing**

- System process**

Title  
Animation Progress  
Status  
Mask 60%  
Loading...

**Note:**  
Finish after system process completed

- Interruptible process**

Animation Progress  
Contents  
Mask 60%  
Cancel

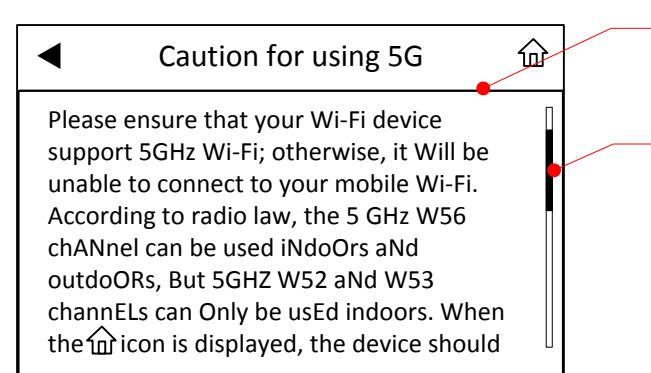
**4.5. Power manager**

Power off  
Restart  
Cancel

## Wireframe

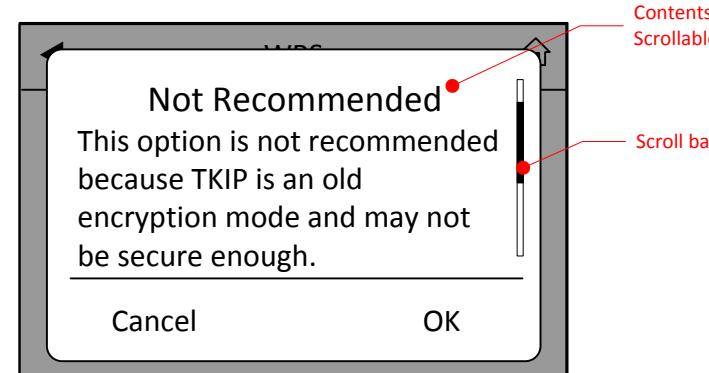
### 5. Scroll bar

#### 5.1 Information page



Note:  
The scroll bar is ALWAYS shown on the screen.

#### 5.2 Pop-up



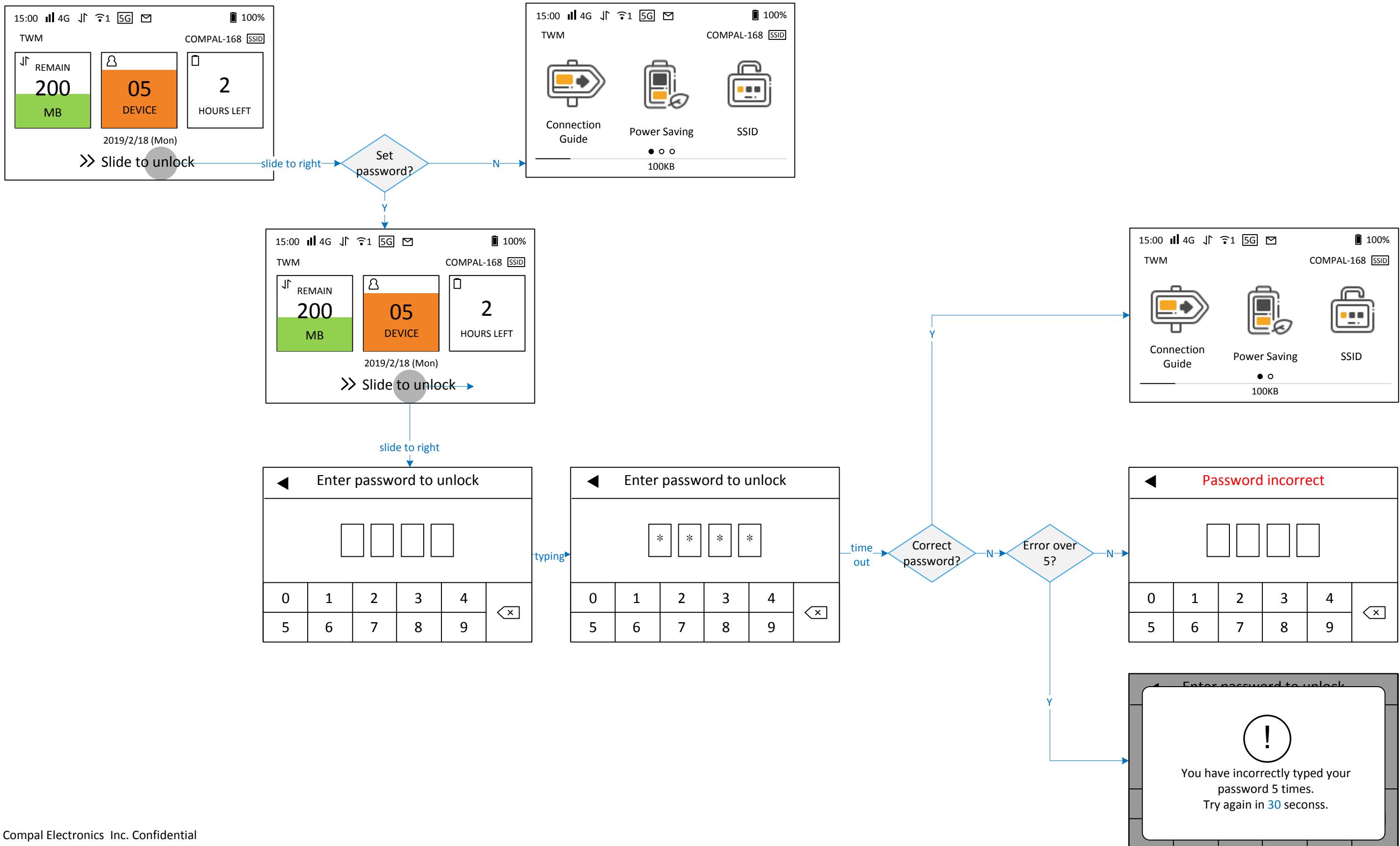
Note:  
The scroll bar is ALWAYS shown on the screen.

# Use case

1. Unlock screen
2. Connection Guide
3. Power Saving settings
4. SSID & Password
5. SMS
6. Settings
7. About

## Use case

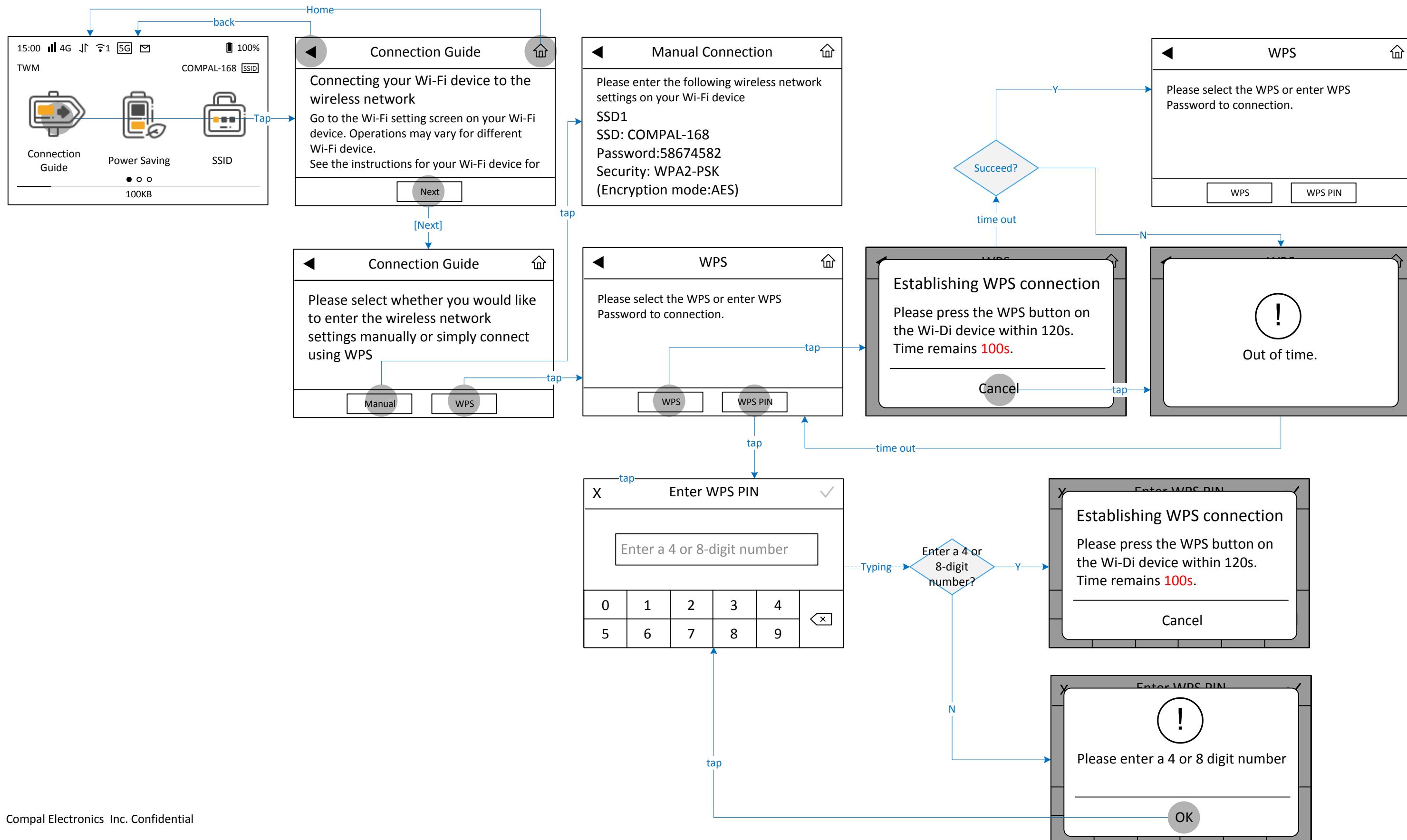
## 1. Unlock screen



## Use case

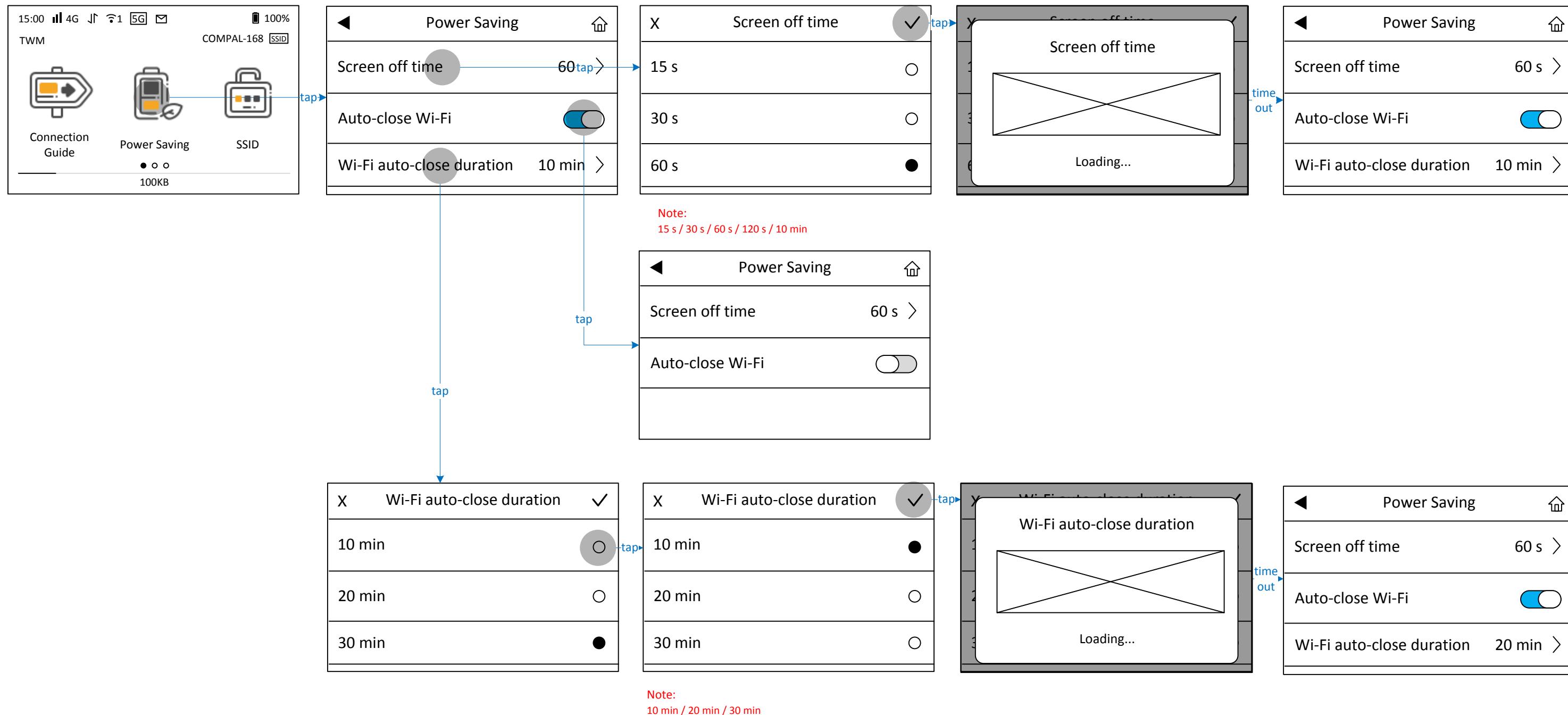
## 2.Connection Guide

## 2.1. Connect via different method



## Use case

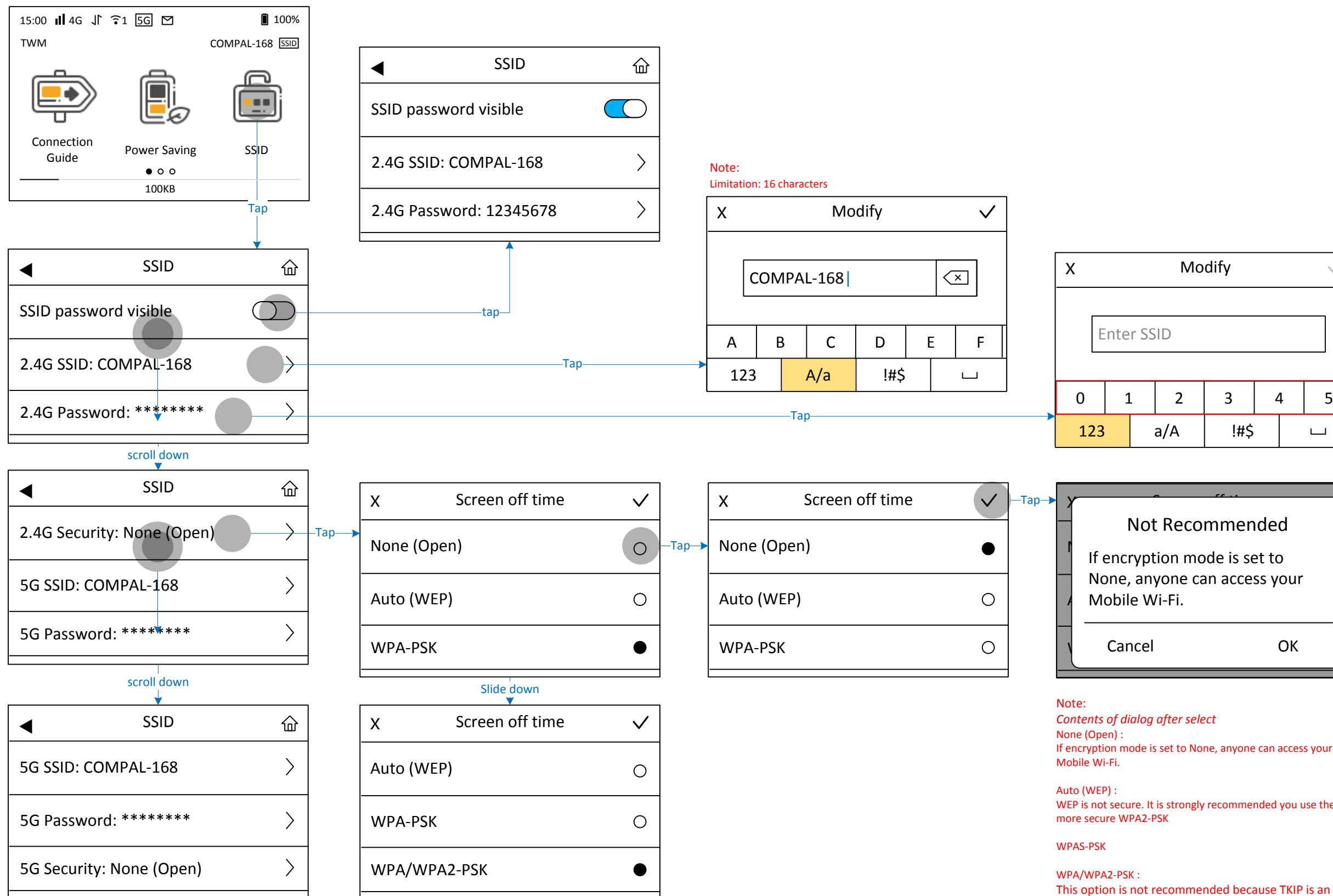
## 3.Power saving settings



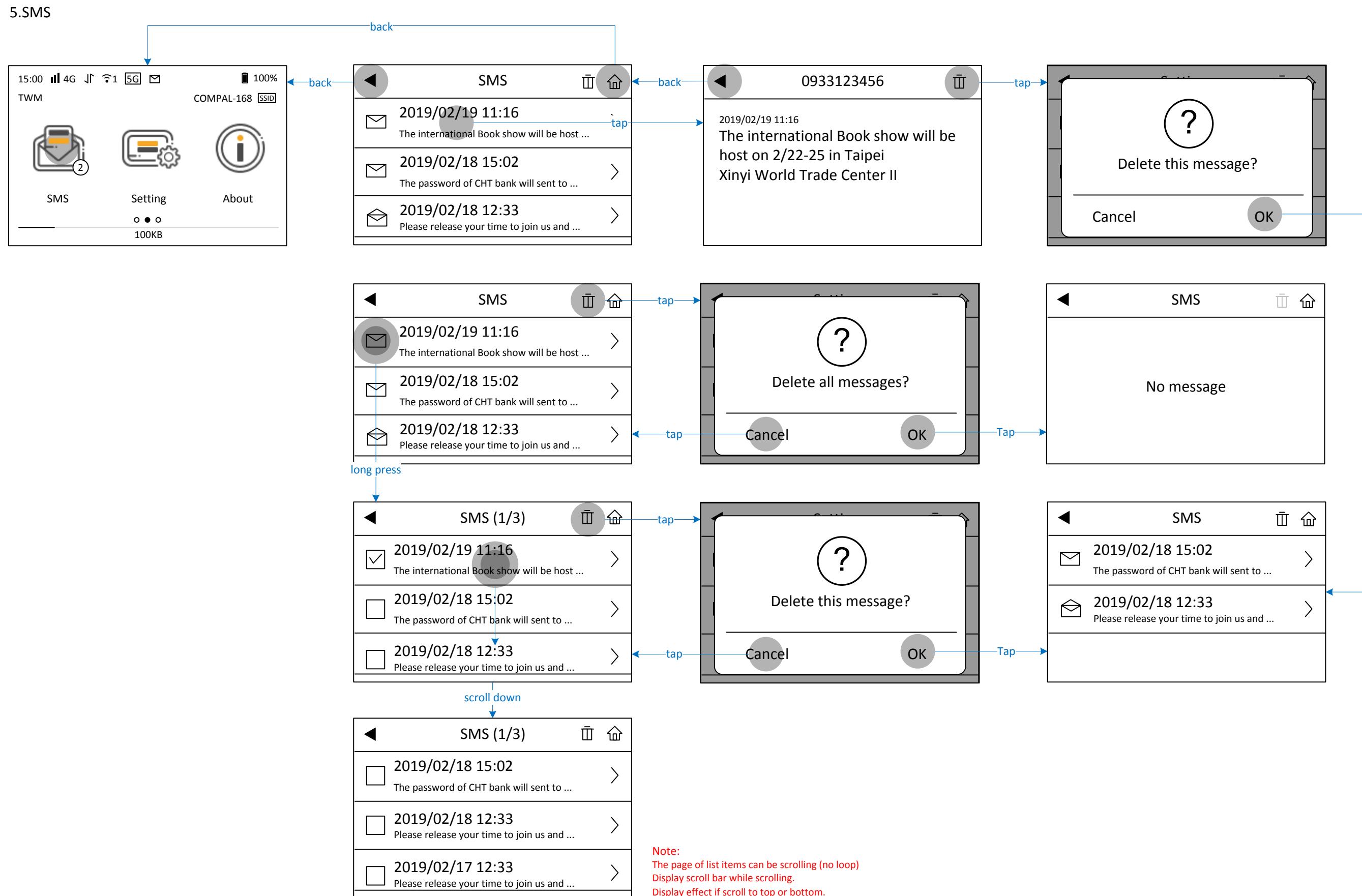
## Use case

### 4.Connection Guide

#### 4.1. Connect via different method

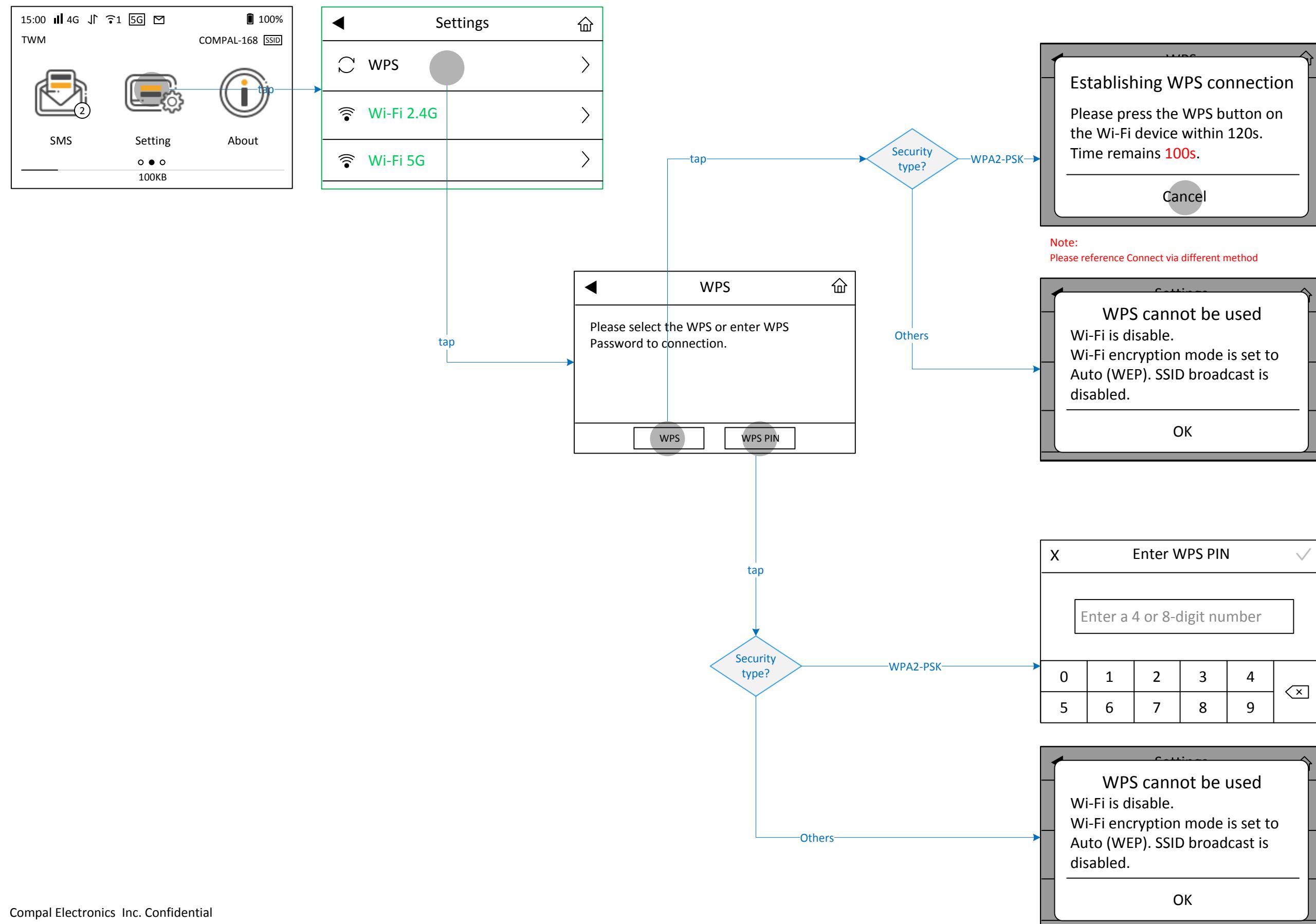


## Use case



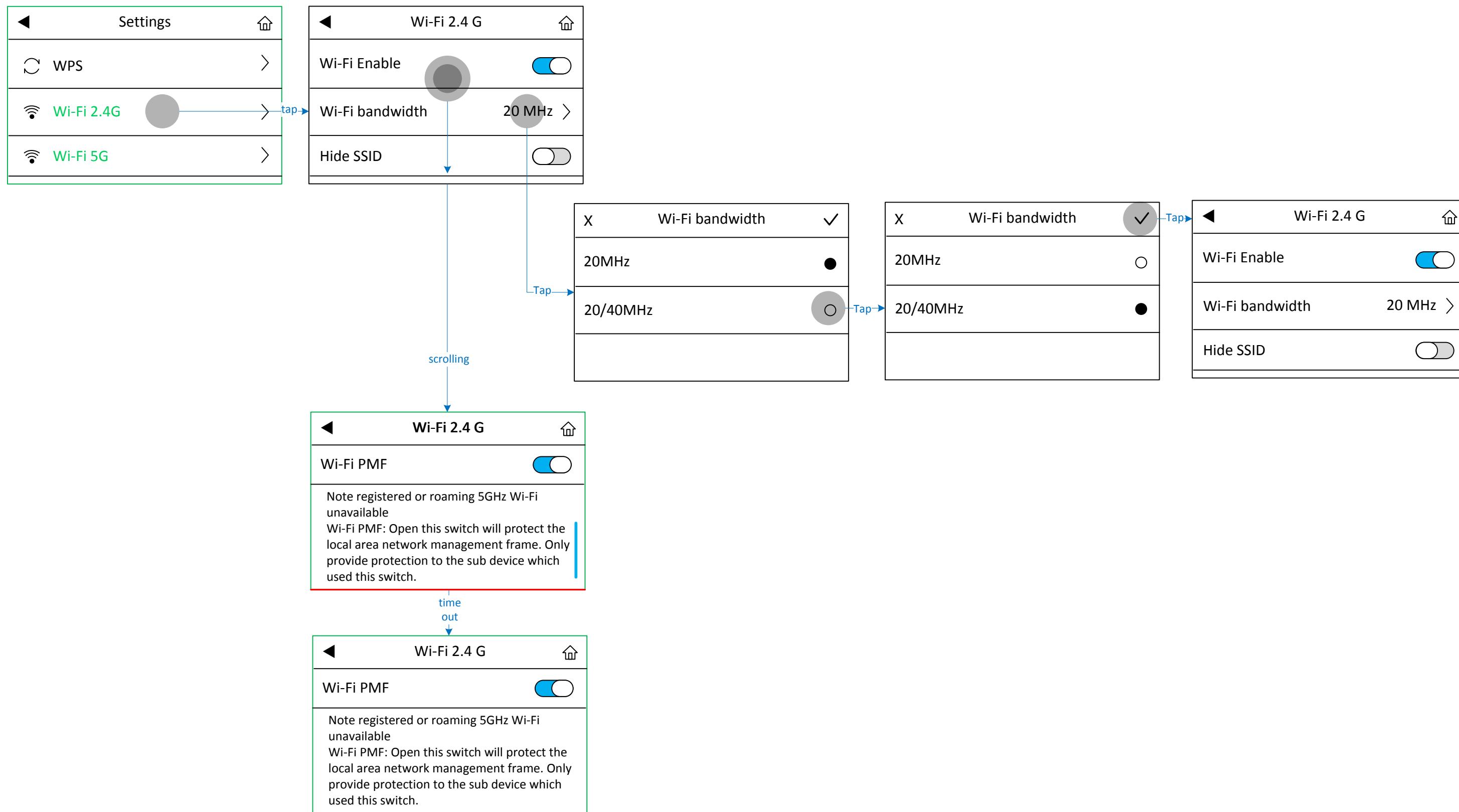
## Use case

## 6.Settings: WPS



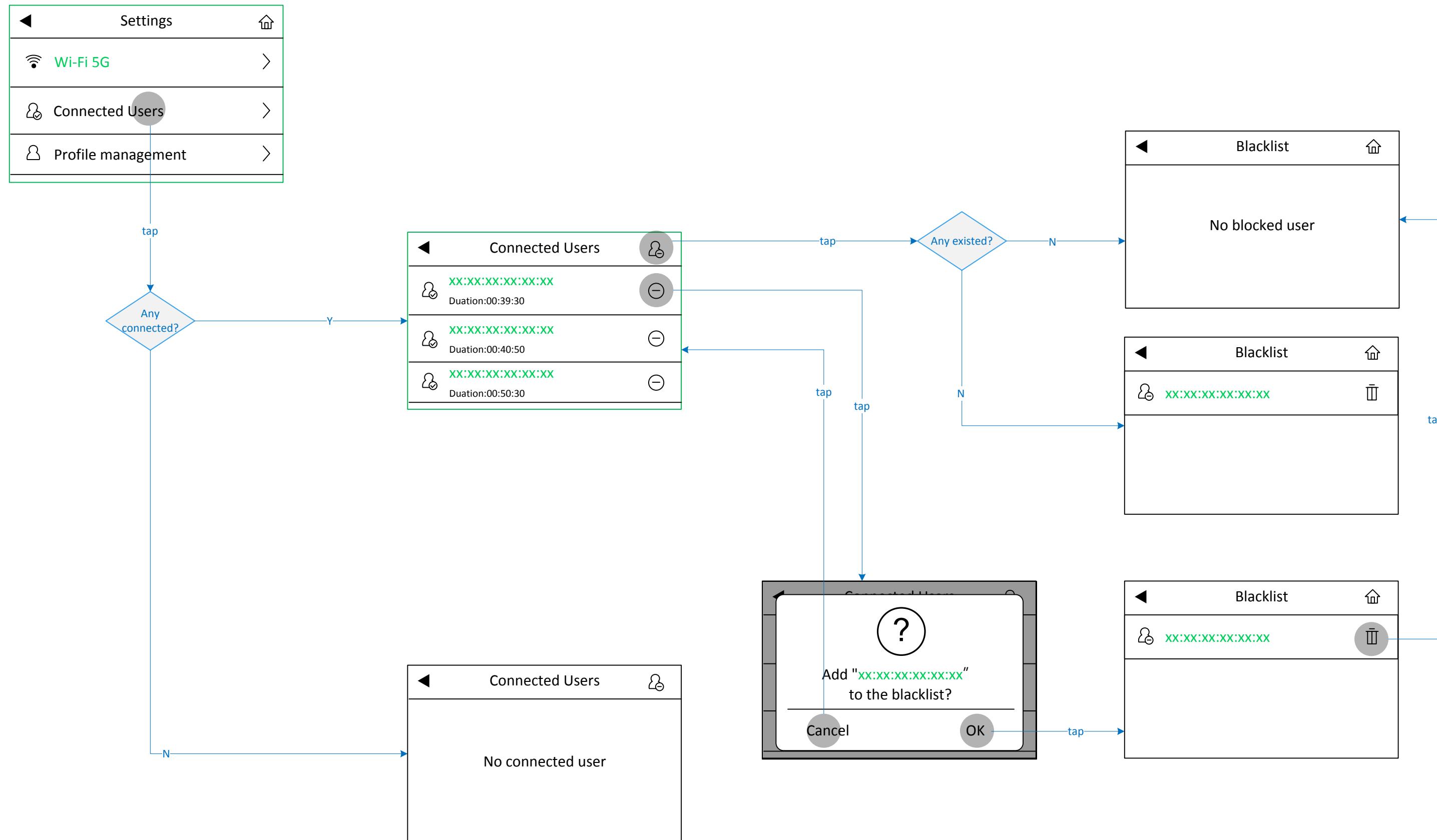
## Use case

6.Settings: WiFi



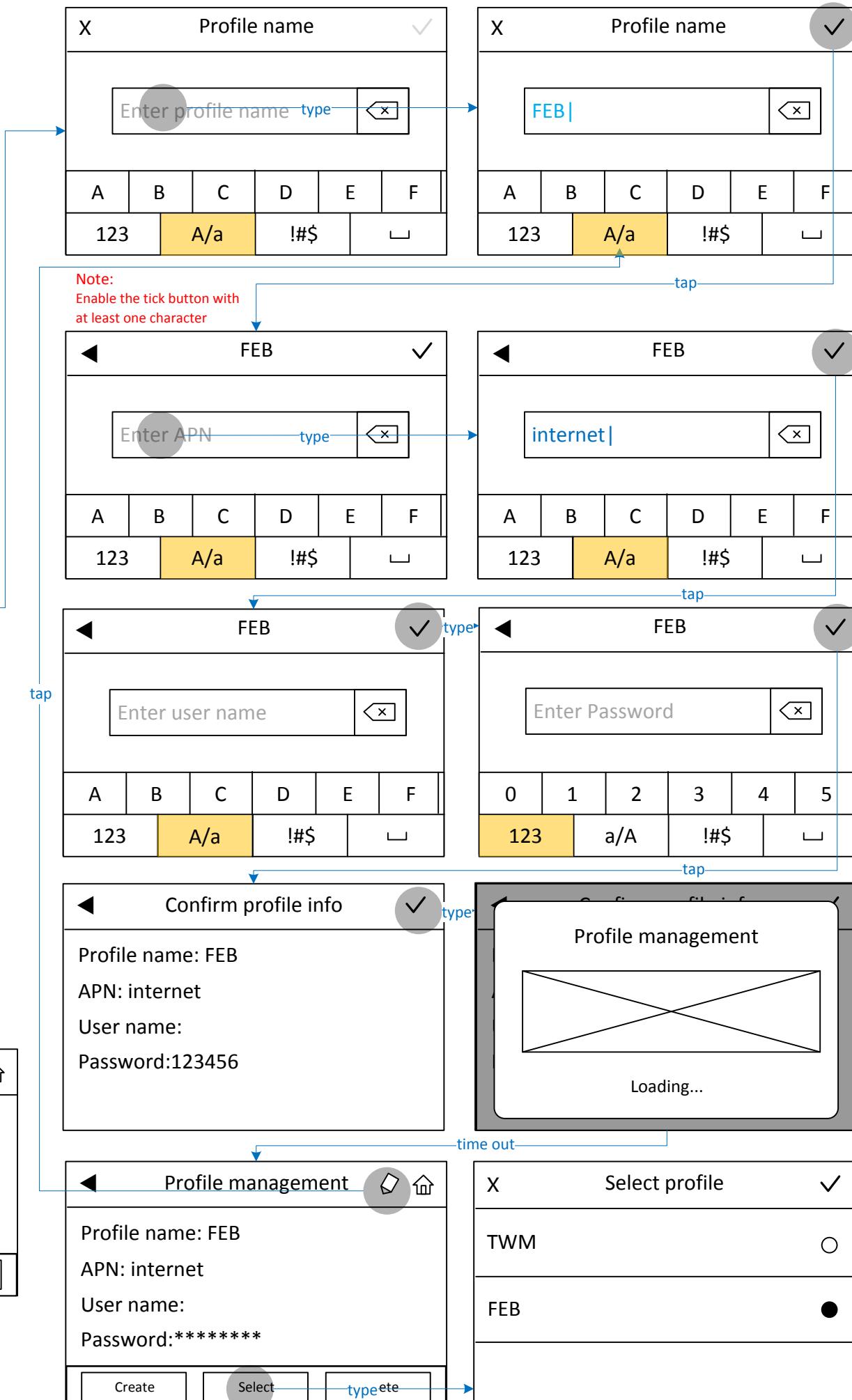
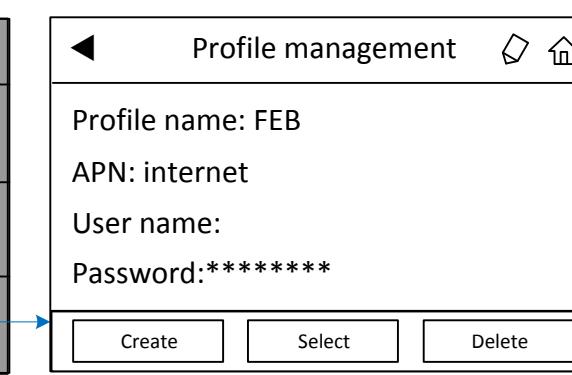
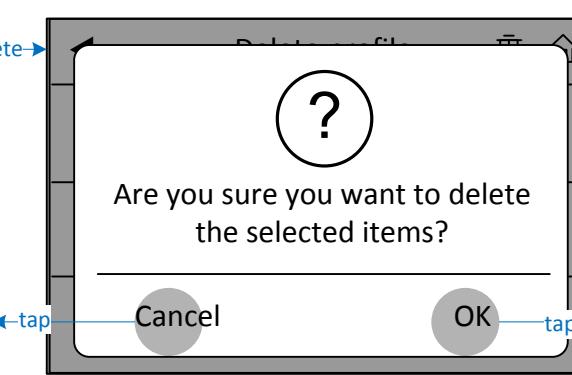
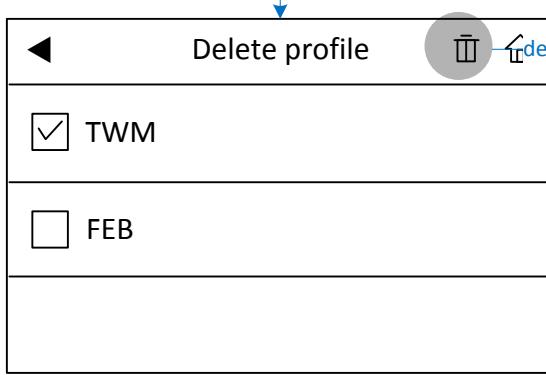
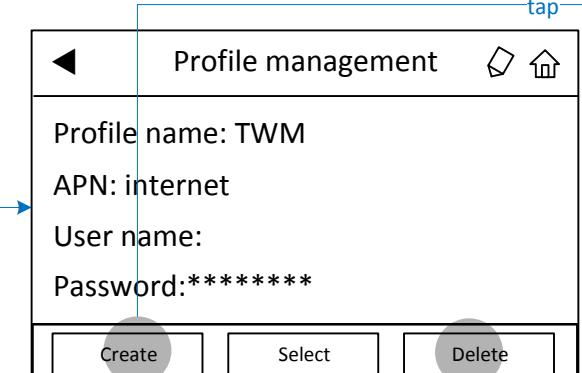
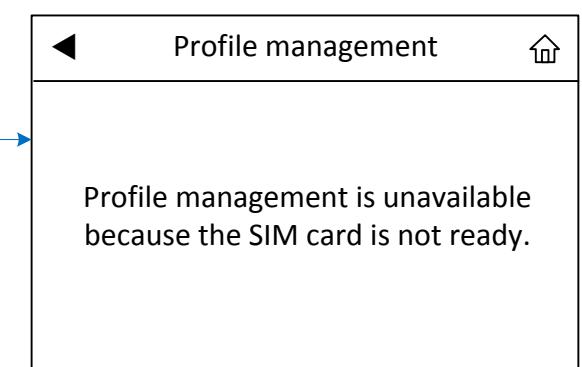
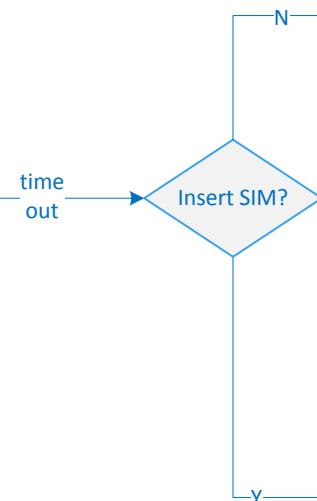
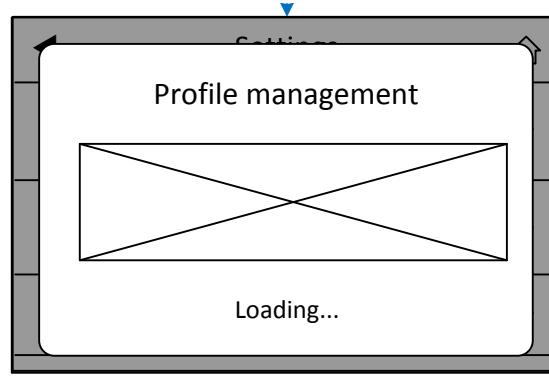
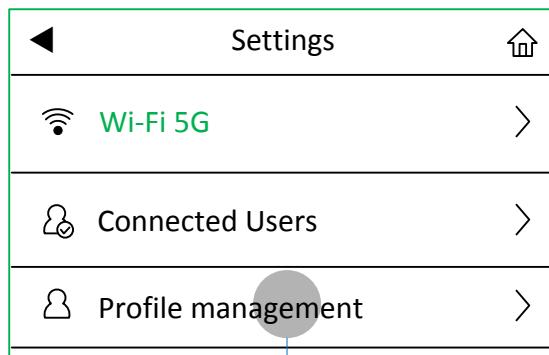
## Use case

## 6.Settings: Connection



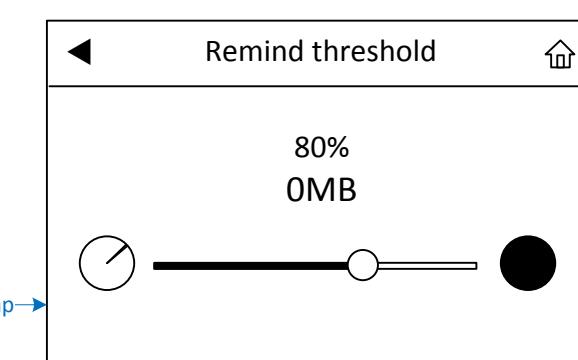
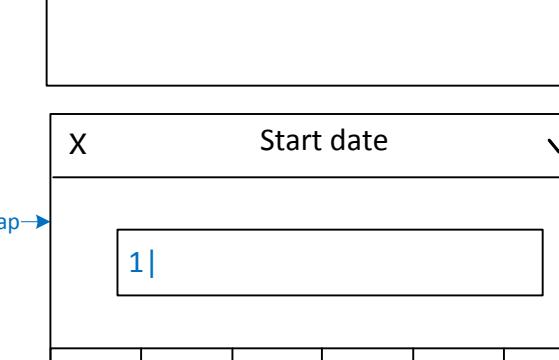
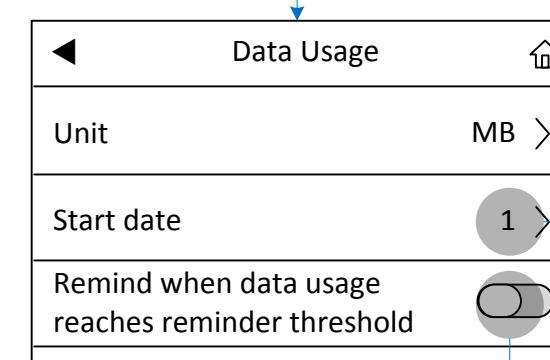
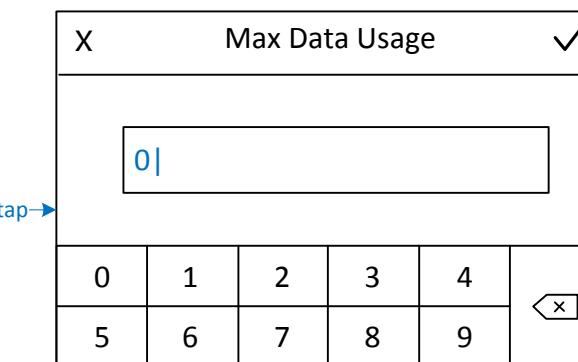
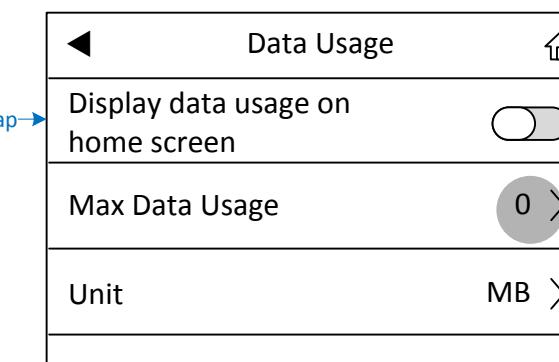
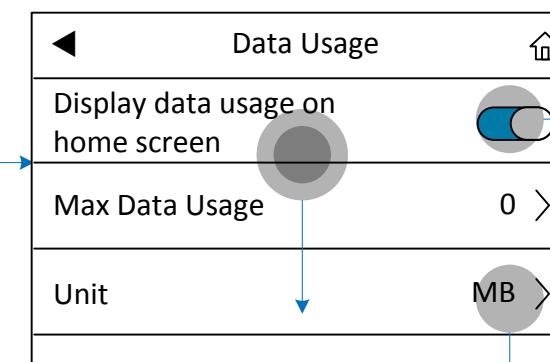
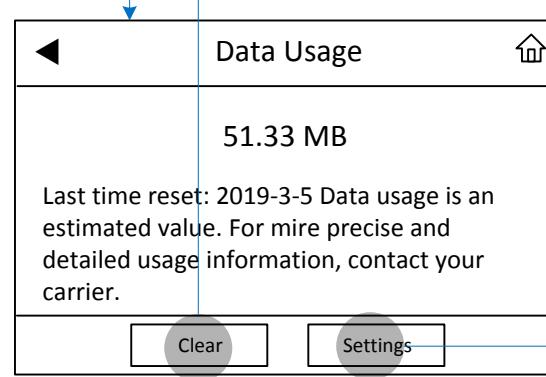
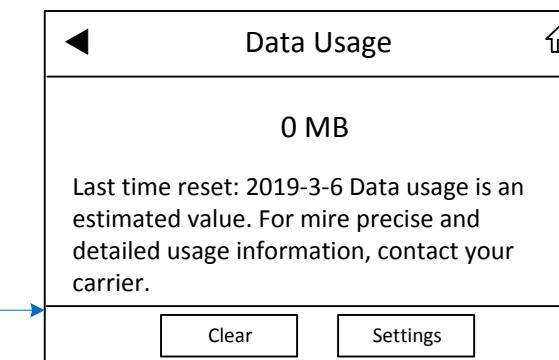
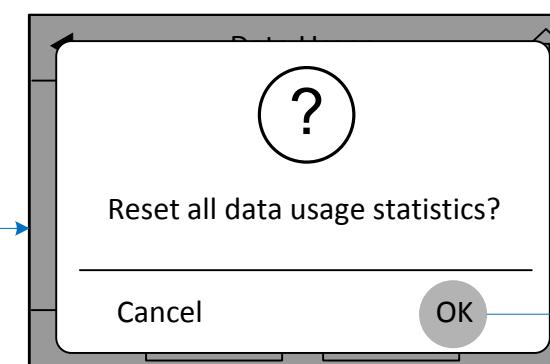
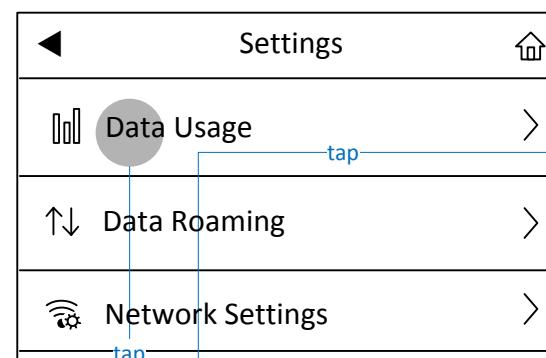
## Use case

6.Settings: Profile management



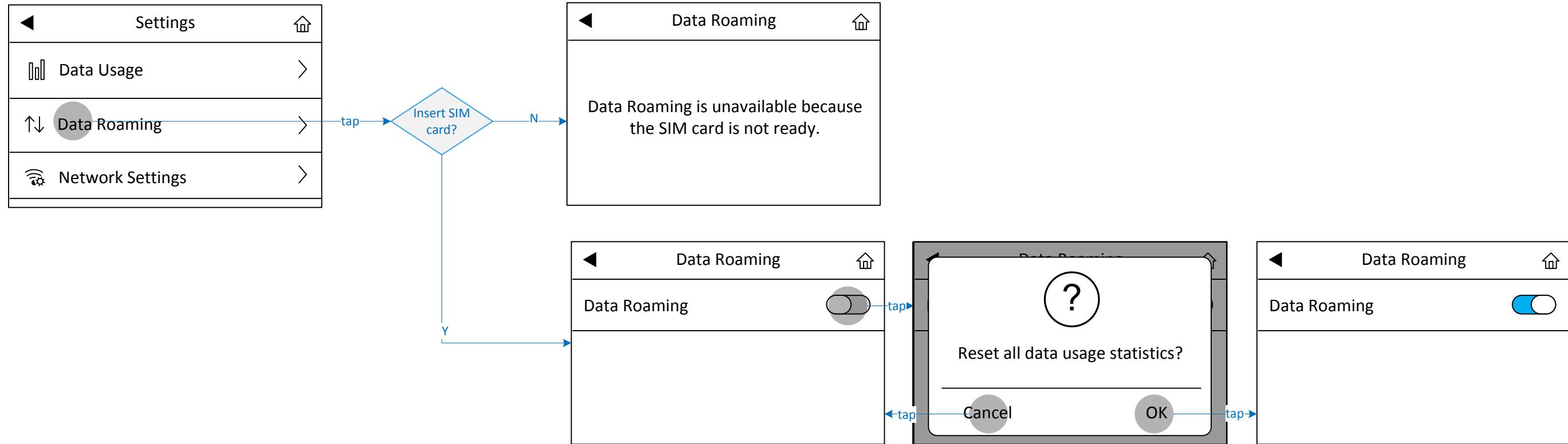
## Use case

6.Settings: Data usage



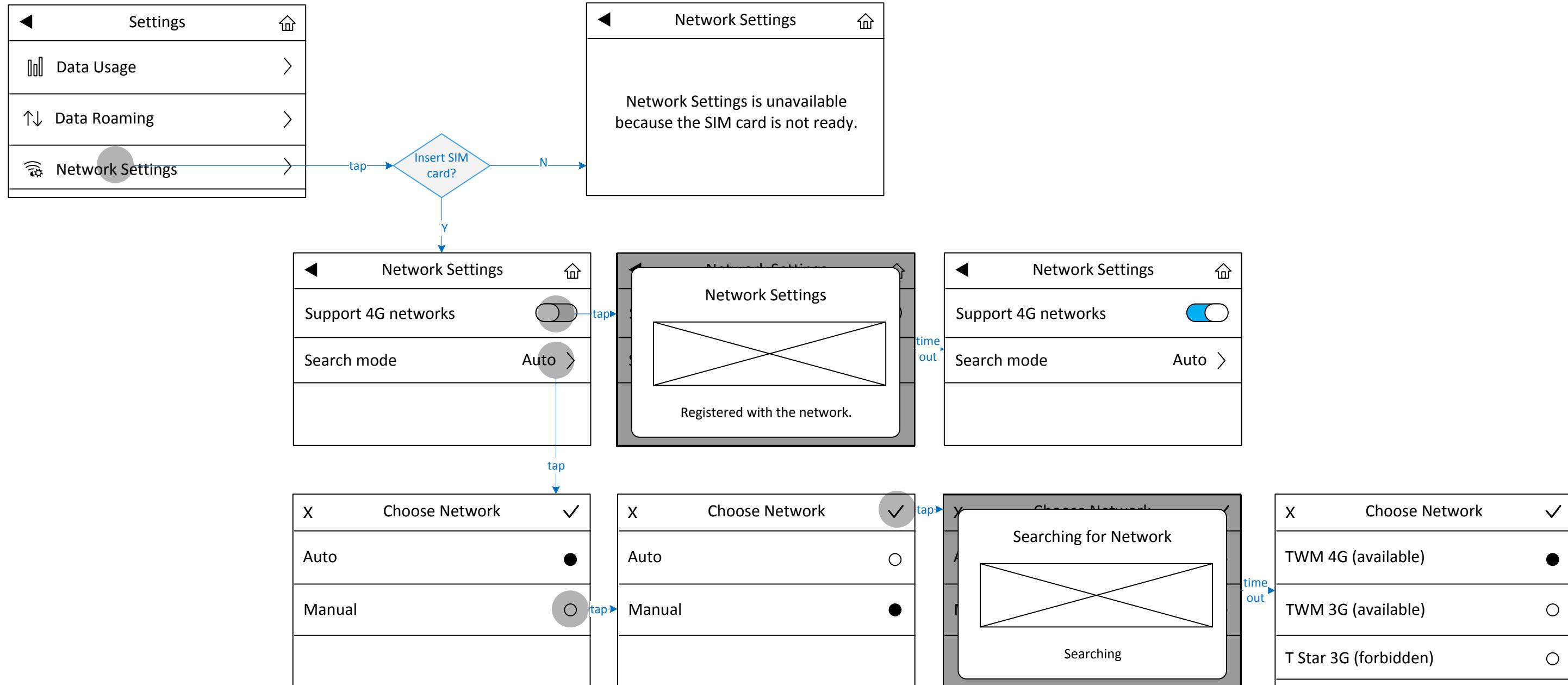
## Use case

## 6.Settings: Data Roaming

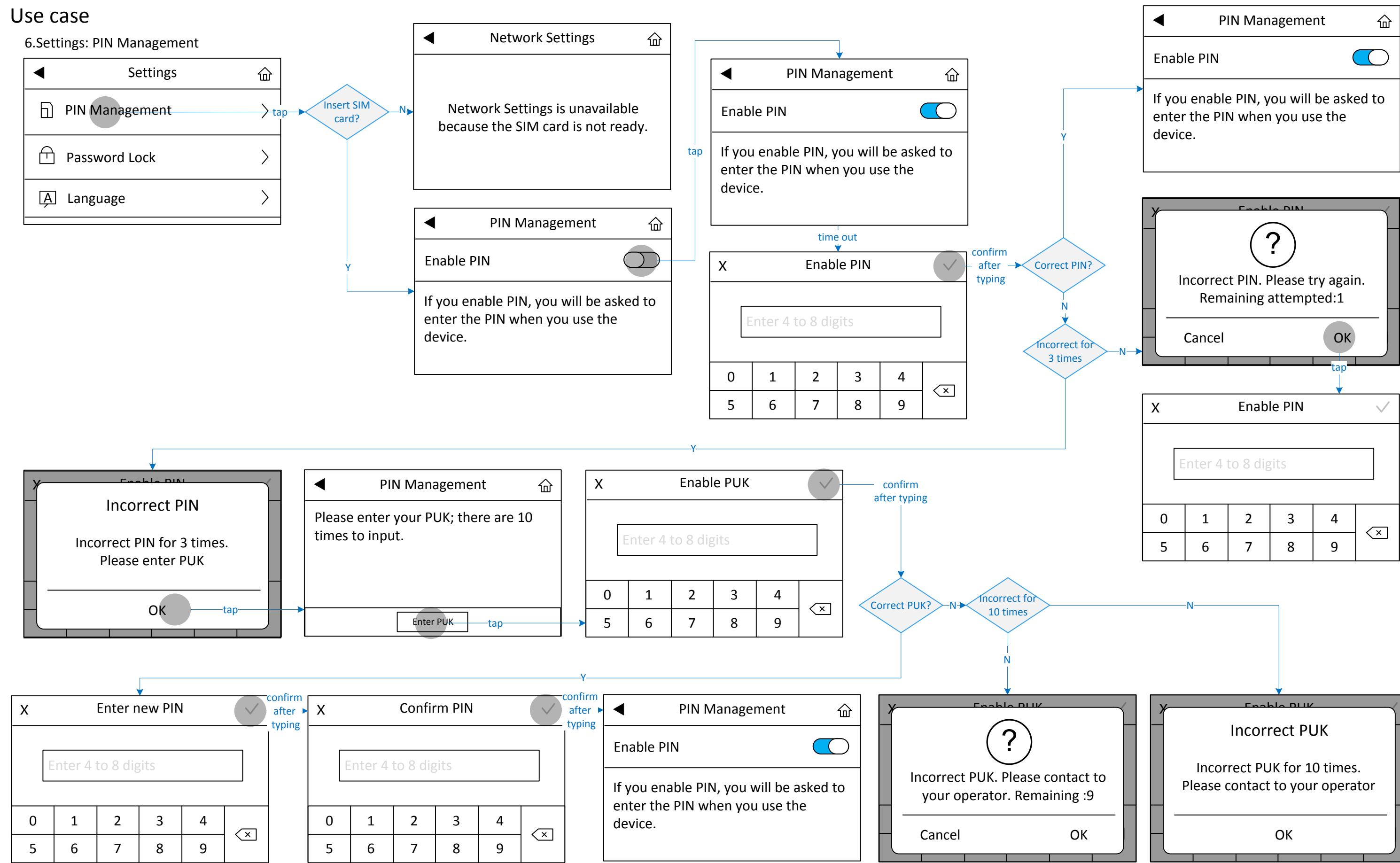


## Use case

## 6.Settings: Network Settings

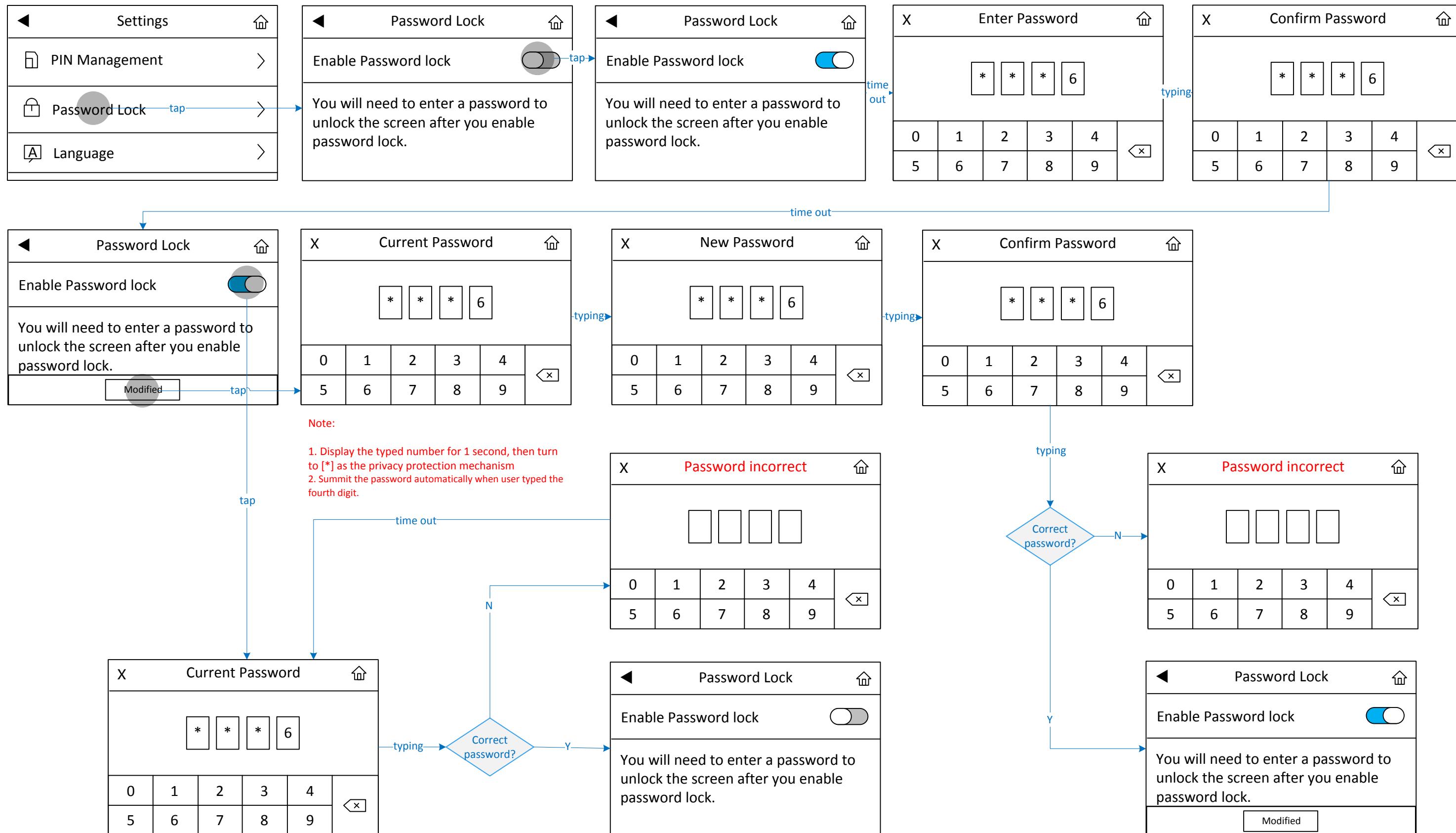


## Use case



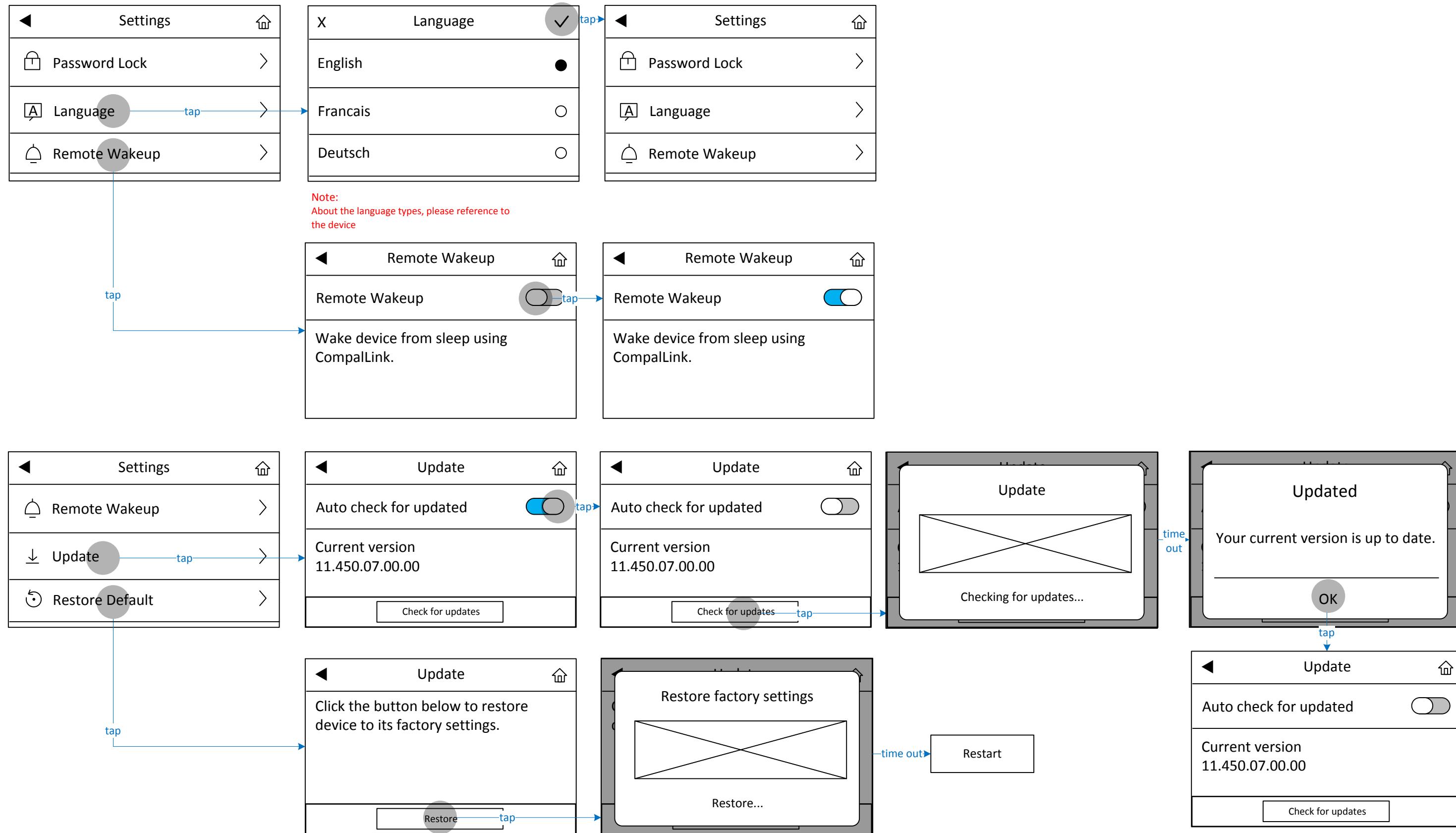
## Use case

## 6.Settings: Password Lock



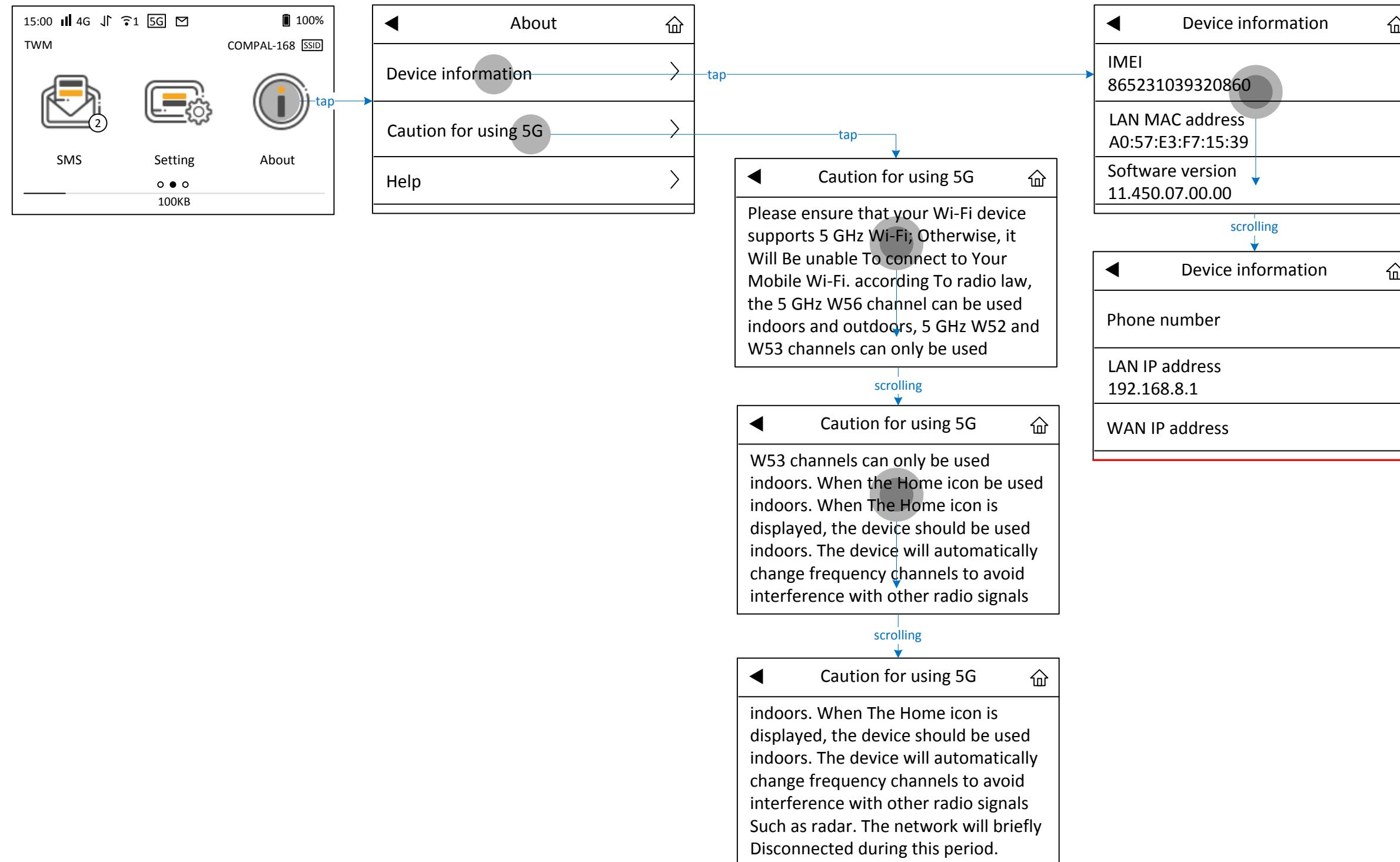
## Use case

## 6.Settings: Others



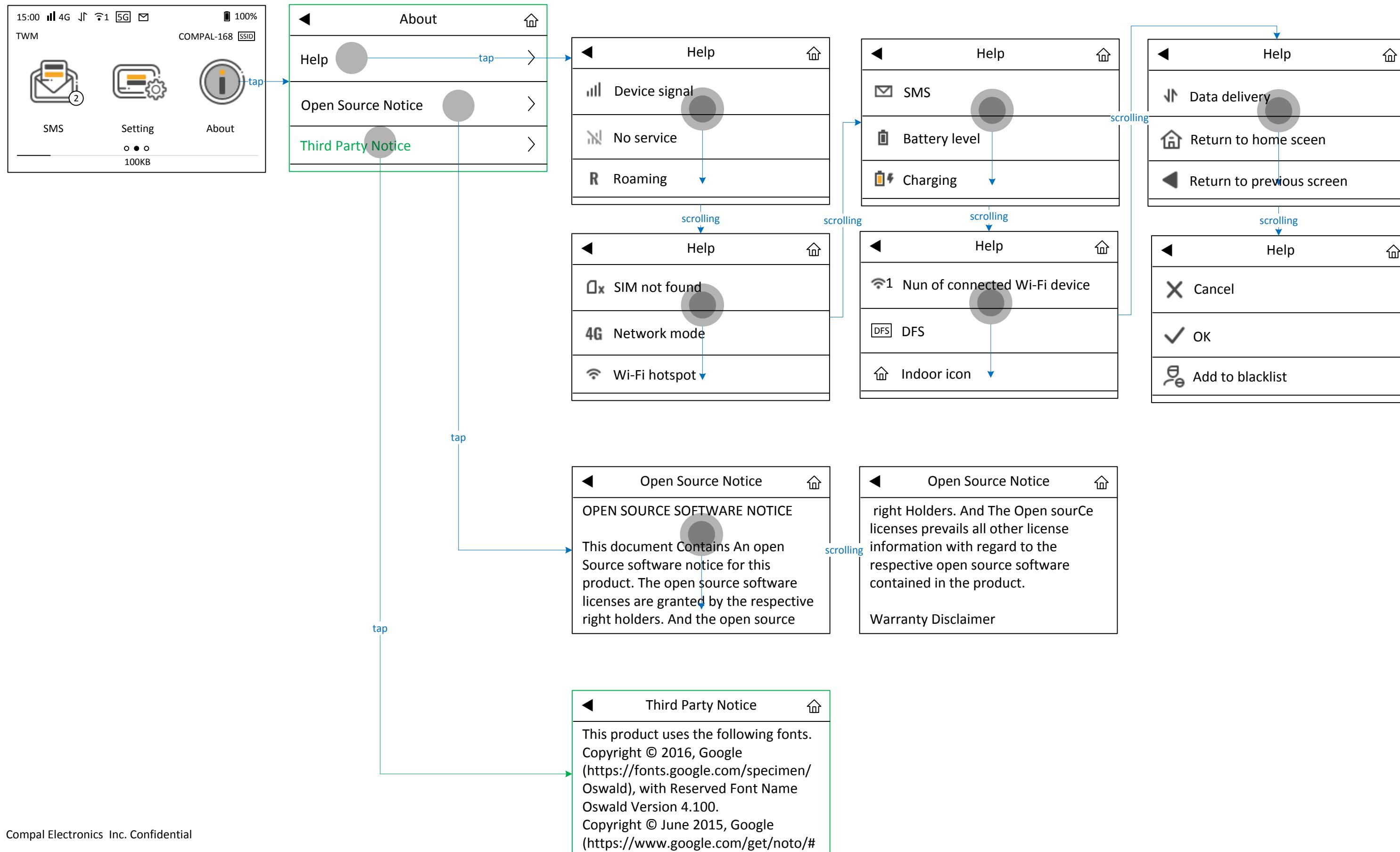
## Use case

## 7. About



## Use case

## 7. About



## Use case

## 8.Speedtest

