



## User Guide

ARETE POP

Smart RFID Dongle Reader

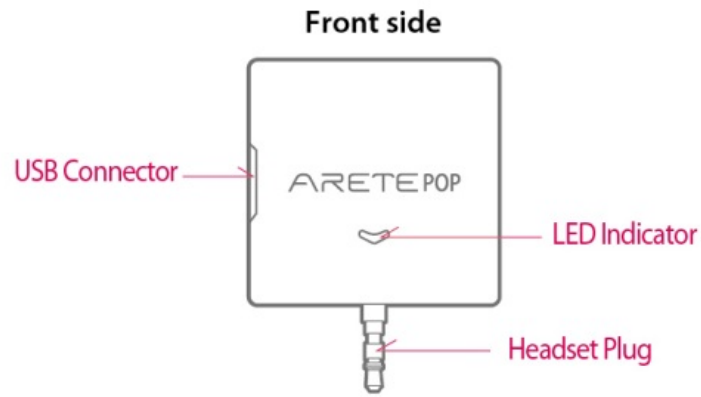


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# 1 Understanding ARETE POP

## 1.1 ARETE POP at a Glance



## 1.2 Accessories



USB Cable

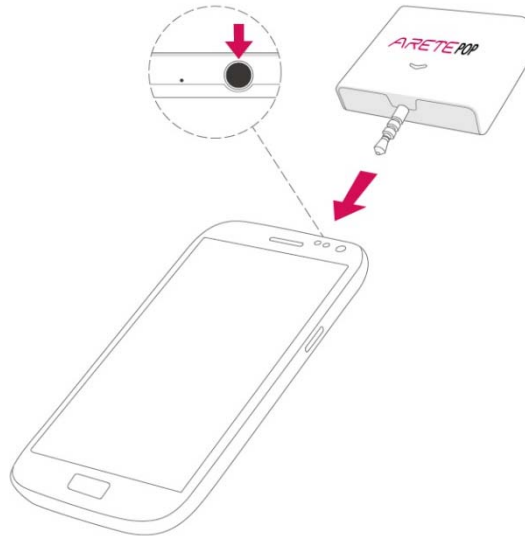


Quick Manual

## 2 Basics

### 2.1 Activating

1. Insert ARETE POP RFID Reader to your Phone's headphone jack.

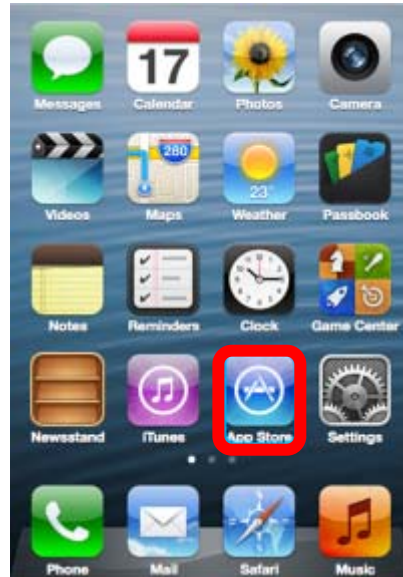


2. Turn volume up to 100%.
3. Switch the button to "On" in App.
4. LED indicator will be turned on in blue color.

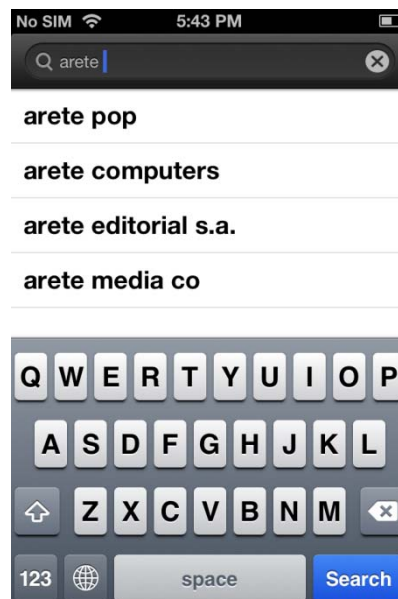
### 3 How to use iPhone application

#### 3.1 How to install application in your iPhone

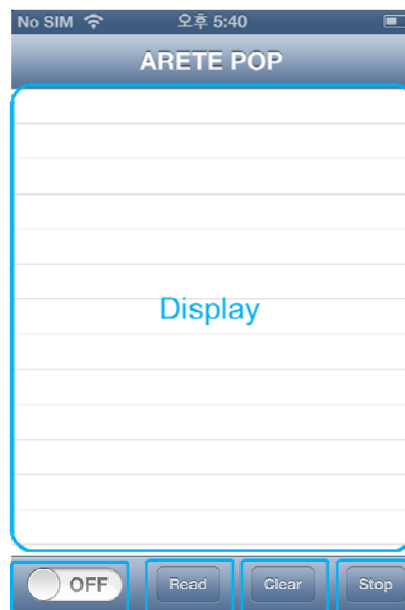
1. Select App Store



2. Search ARETE POP application and install it.



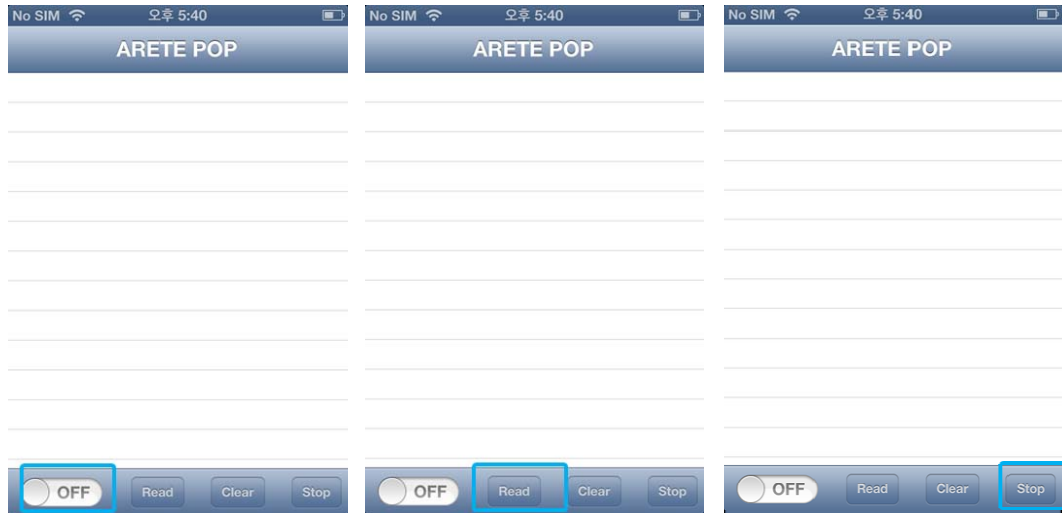
## 3.2 Main Display



- Switch: Turn on or off the Reader
- Read Button: Start to read "Tag EPC"
- Clear Button: Remove Read Record
- Stop Button: Stop Tag Reading
- Display: Show Tag Read Record

### 3.3 Inventory

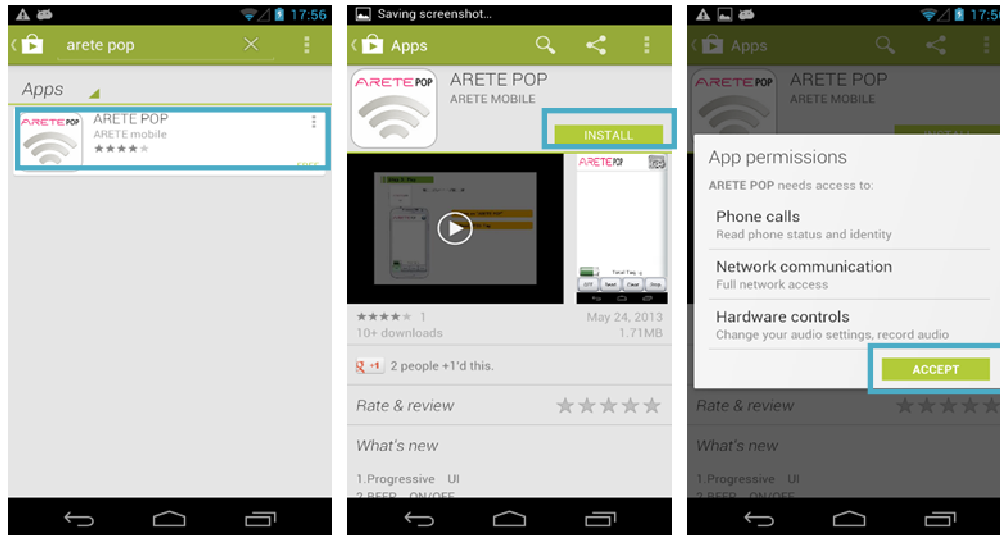
1. Switch the button to "On"
2. Touch **Read** button to inventory tag continuously
3. Touch **Stop** button to finish inventory tag



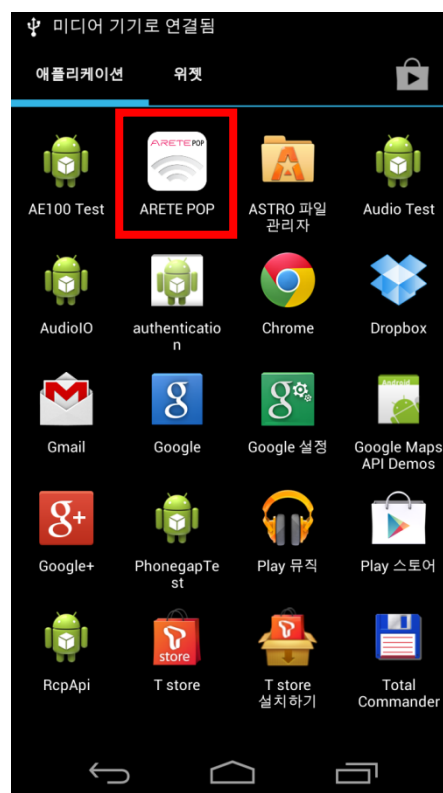
## 4 How to use Android application

### 4.1 How to install application in your Android Phone

1. Connect your phone to Google Play Store.
2. Search “ARETE POP” and touch install.

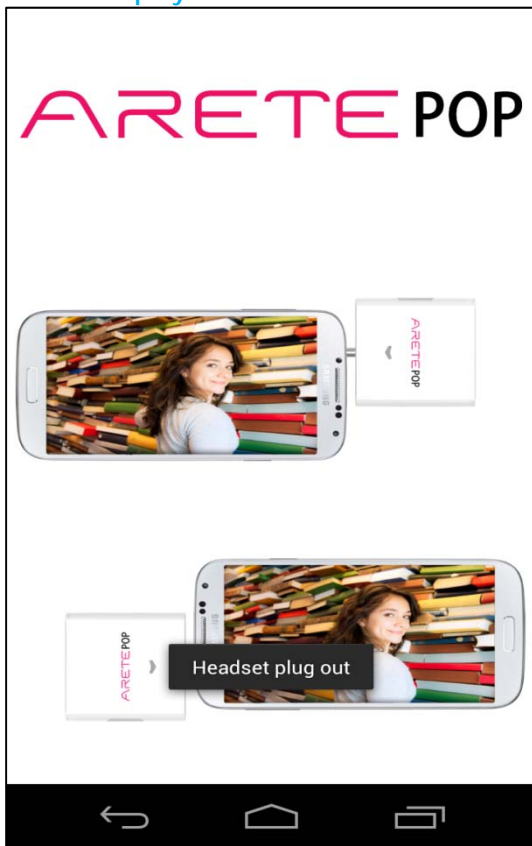


3. ARETE POP app touch your phone.





4.2 Main Display



- State bar : Pop Connect, Beep on/off, ARETE POP on/off, ARETE POP Battery, TX output power



ARETE POP Connected



ARETE POP On



ARETE POP Beep off/on



ARETE POP Tx power (20,21,22,23,24,25 dBm)



ARETE POP Battery (1,10,20,30,40,50,60,70,80,90,100 %)

- On/Off Switch: Turn on or off the Reader
- Start Reading Button: Start to read "Tag EPC"
- Stop Read Button: Stop Tag Reading
- Clear List Button: Remove Read Record
- Display: Show Tag Read Record
- Display rotation



Rotation display 90 degree.

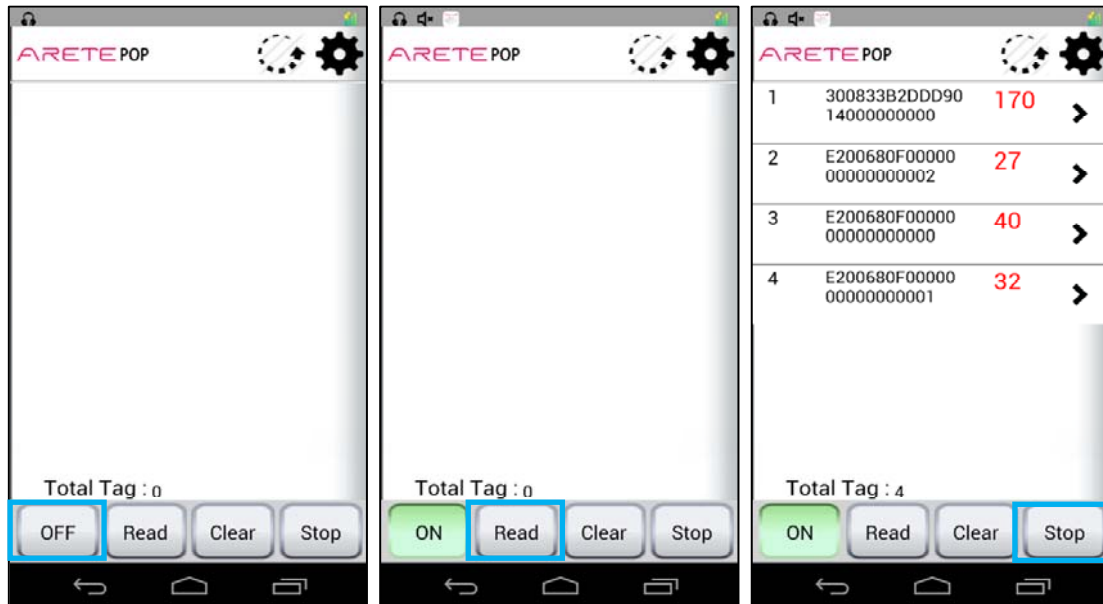
- Additional Functions: Setting and functions



Go to Setting Menu.

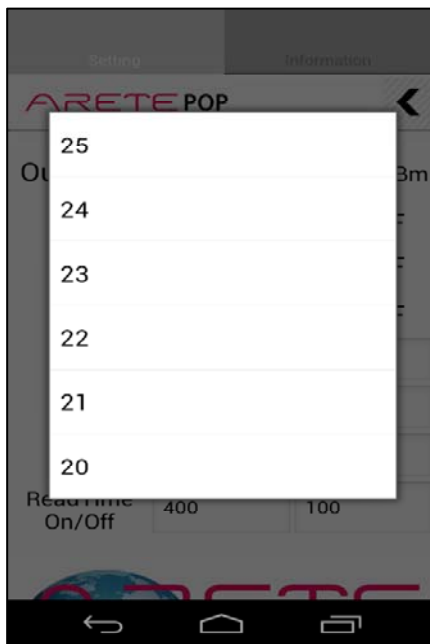
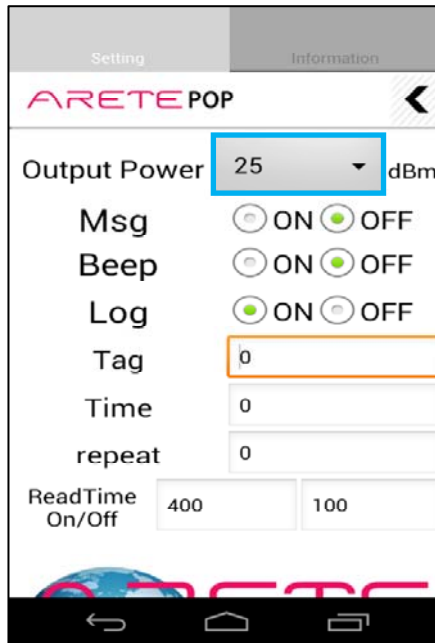
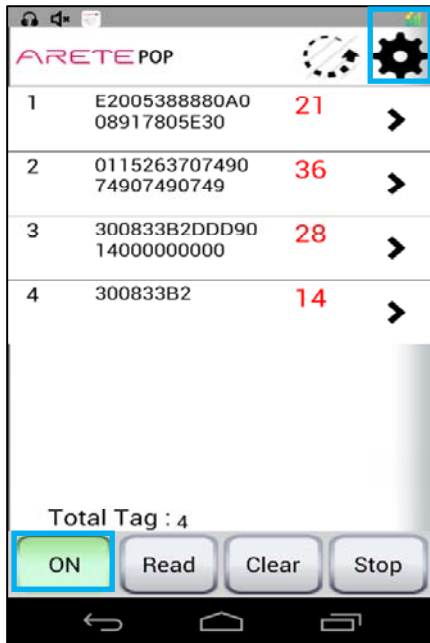
### 4.3 Inventory

1. Touch **On/Off** switch to power on the reader
2. Touch **Start Reading** button to inventory tag continuously
3. Touch **Stop Read** button to finish inventory tag

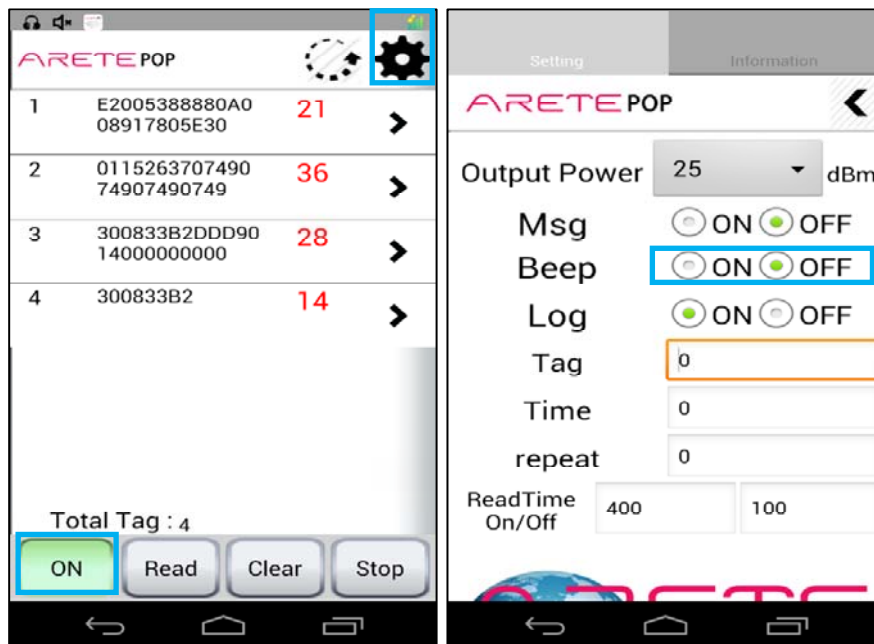


#### 4.4 Additional Functions

1. Setting for output power

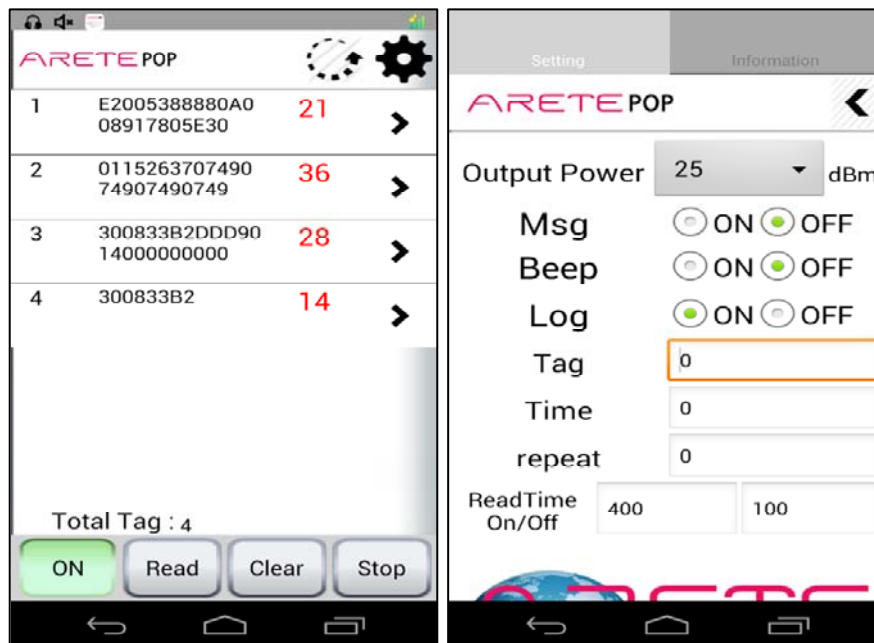


2. Set Beep



3. ReadTime On/Off

Read on : 400ms , Read off : 100ms

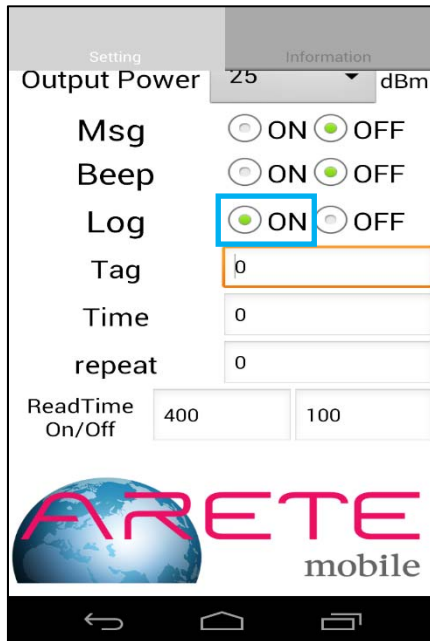


4. Save the RCP log Mod

You can save the RCP log data into a .csv(EXCEL) file

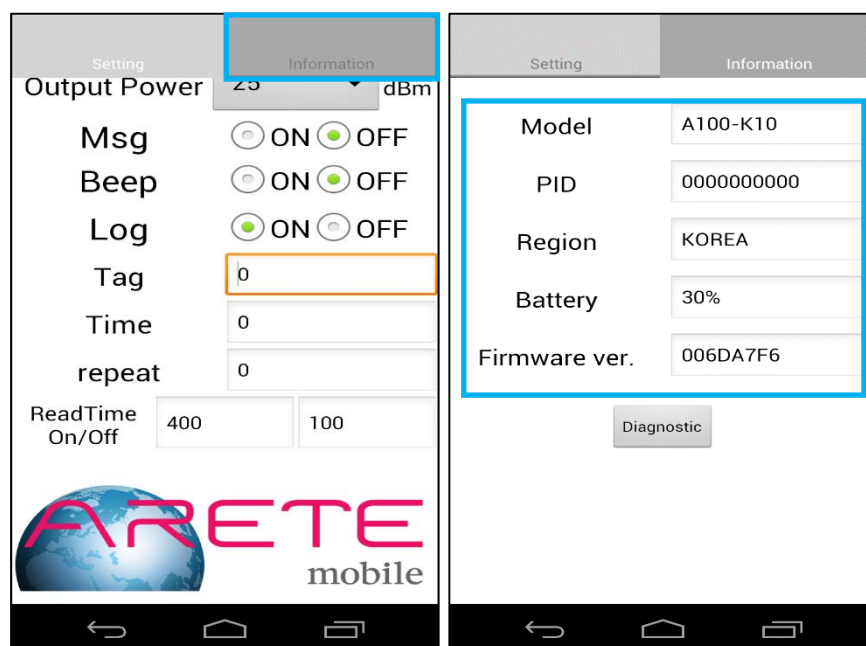
Default = off

SavePath = yourPhone/sdcard/ARETE/POPLOG\_yourPhoneModel\_time.csv



5. Reader information

1. click tab 'information'
2. Show Your ARETE POP information



## Specifications

PHYSICAL	
Dimension(WxLxH)	51 x 50 x 15 mm (without plug), 51 x 67.5 x 15 mm (with plug)
Weight	30g
Indication	Power on LED(Blue), Charging LED(Red), Tagging(Blue blinking)
Battery	360mAh
Continuous Time	2.0 hours
Charging	Micro USB 5pin
Color	White
RFID PERFORMANCE	
RFID Reader Chip	PHYCHIPS PR9200
Air Protocol	ISO 18000-6C/ EPC Class1 Gen 2
Interface	3.5mm stereo headphone jack
Part No. & Operating Frequency	A100-U: 917.1 ~ 926.9 MHz (US Band) A100-E: 865.1 ~ 867.9 MHz (EU Band) A100-J: 916.8 ~ 923.4 MHz (Japan Band)
OS	Apple iOS 5.0, Android 2.3.3 above (as of May 31 <sup>st</sup> 2013)
Output (EIRP)	316mW(25dBm) for US, EU band 200mW(23dBm) for Japan band
RFID Read Distance	Up to 1.0m (depend on tags)
Antenna	Circularly Polarized Antenna
Tag	Read, Write, Lock, Kill
USER ENVIRONMENT	
Operating Temp	0~40°C
Storage Temp	-20~60°C

## Channel Number Table

Channel	Channel Frequency	Channel	Channel Frequency
1	917.10 MHz	26	922.10 MHz
2	917.30 MHz	27	922.30 MHz
3	917.50 MHz	28	922.50 MHz
4	917.70 MHz	29	922.70 MHz
5	917.90 MHz	30	922.90 MHz
6	918.10 MHz	31	923.10 MHz
7	918.30 MHz	32	923.30 MHz
8	918.50 MHz	33	923.50 MHz
9	918.70 MHz	34	923.70 MHz
10	918.90 MHz	35	923.90 MHz
11	919.10 MHz	36	924.10 MHz
12	919.30 MHz	37	924.30 MHz
13	919.50 MHz	38	924.50 MHz
14	919.70 MHz	39	924.70 MHz
15	919.90 MHz	40	924.90 MHz
16	920.10 MHz	41	925.10 MHz
17	920.30 MHz	42	925.30 MHz
18	920.50 MHz	43	925.50 MHz
19	920.70 MHz	44	925.70 MHz
20	920.90 MHz	45	925.90 MHz
21	921.10 MHz	46	926.10 MHz
22	921.30 MHz	47	926.30 MHz
23	921.50 MHz	48	926.50 MHz
24	921.70 MHz	49	926.70 MHz
25	921.90 MHz	50	926.90 MHz



For body worn operation, this device has been tested and meets the FCC RF exposure guidelines when a minimum distance of 0cm from user`s body.

**CAUTION :** Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

#### User Information

This device may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority this equipment if an unauthorized change or modification is made.

**Note :** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device complies with Part 15 of the FCC's 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 undesirable operation.

We declare that this device is compliance with the essential requirements and other relevant provisions of directive 1999/5/EC.