APSII
User's Manual

Aramo Professional Scanner
SKIN DIAGNOSIS SYSEM

World leader of skin & hair diagnosis system

aram HUVIS
Global leader in skin diagnosis system

FCC 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
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.

To comply with FCC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons. This device must not be co-located or operation in conjunction with any other antenna or transmitter.

This equipment complies with FCC

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.

Content

Use the touch screen

The touch screen lets you select items or perform function. Learn basic actions to use touch screen.

- Tap : Touch once with your finger to select or launch the menu option, or application
- Drag : Tap and drag your finger up, down, left, or right to move to items on lists.
- Tap and hold : Tap an item and hold it for more than 2 seconds to open pop-up option list
- Double-tap : Tap twice quickly with your finger to zoom in or out while viewing photos.

Enter text

Enter text by selecting characters on the virtual keypads
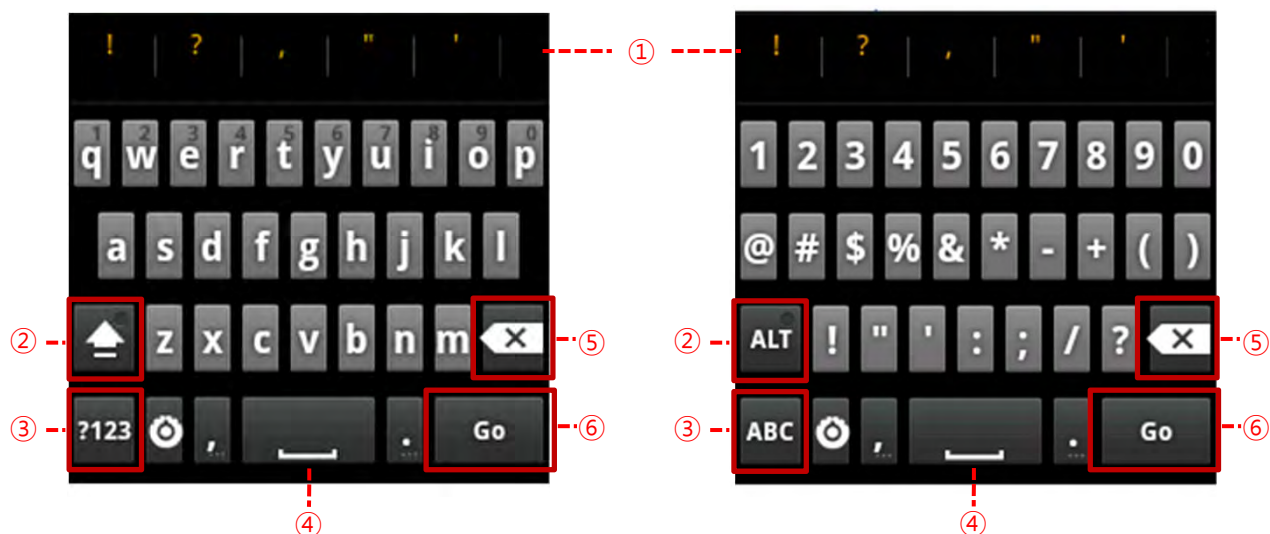
No.	Function
①	Shortcuts for frequent use
②	Capitals lock key
③	Switch between ABC and Number(symbol) mode
④	Space
⑤	Delete
⑥	Start new line

Icons to operate in Manual

Icons	To do
	Touch to take images from the device
	Go to capturing page
OK	OK
Cancel	Go back to previous page
USE	Use the image taken for diagnosis
Analysis	Analyze the image
3D	3D Image
	Go back to previous page on skin image
Mode	Change the lighting mode

Note

* Touch the "＞" or fling the screen to go to next page.

* Tap the screen to focus.

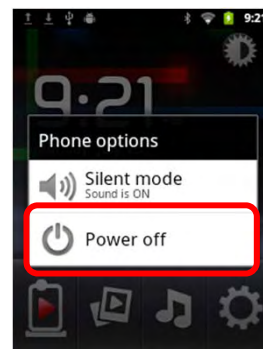# Turn on / off & System main page

Tap in red box

- **On/Off button**: Press and hold for 3 seconds
- **"Sleep" mode on / off** : Press the button

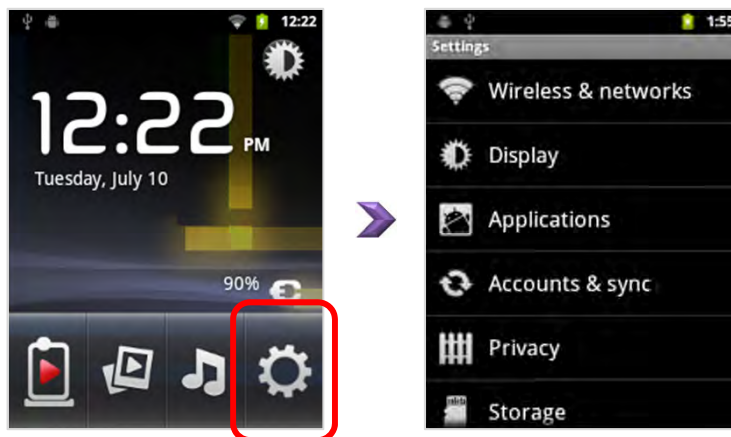Turning on...   Turning off...
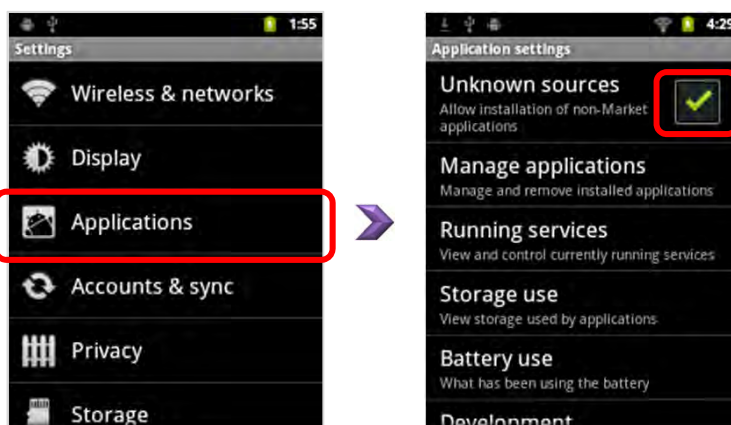
Go to "setup" page   Go back to system main page

Icons	To do	Icons	To do
📱	Diagnosis application	⏰	Alarm
🖼	Gallery (album)	➕	Add alarm
🎵	MP3	🌐	Internet
⚙	System setting		

How to set the system

Tap in red box

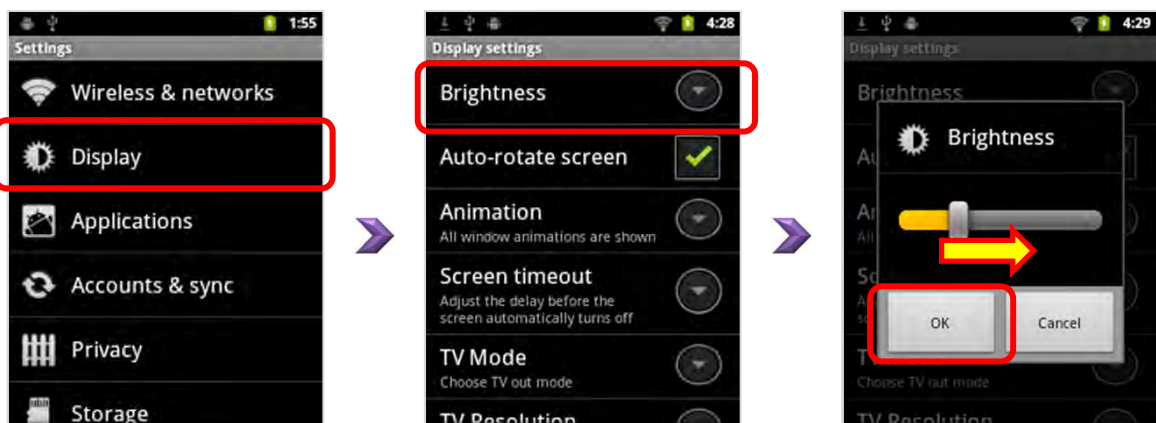## ≫ Application setting

Check the "√" mark.

The setting have to be activated to download application.
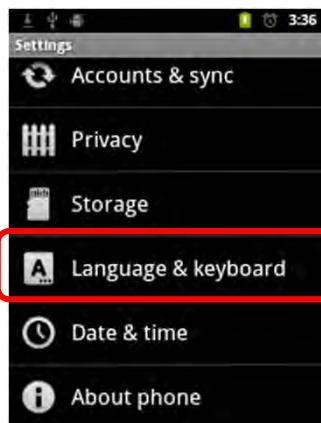
≫ Brightness setting

Adjust the Brightness to display the application more effectively.
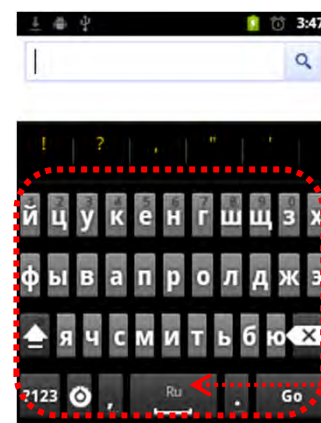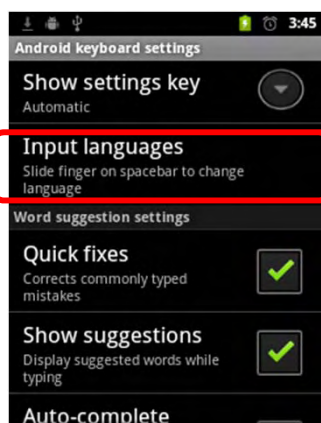
How to set the system

≫ Language setting

- **Keyboard language**

②

①

Deactivate

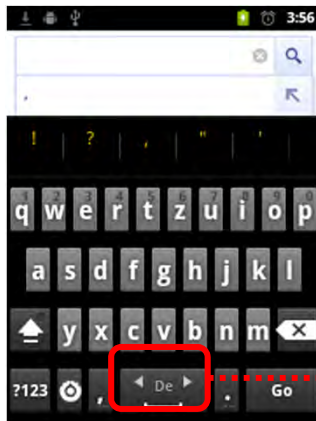Select the language you want to use
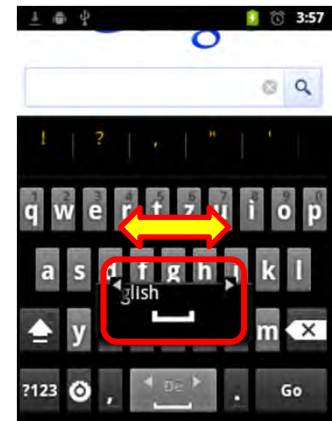
Changed the keyboard language
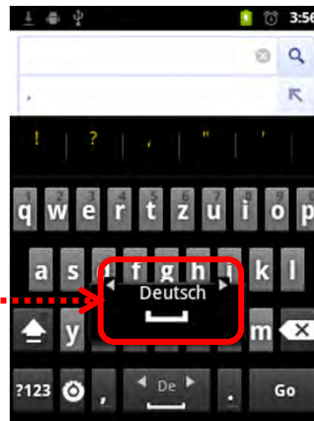
How to set the system

* Tap in red box

≫ Language setting

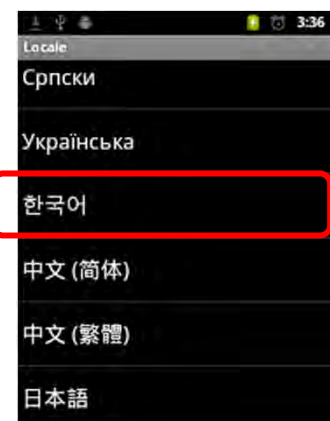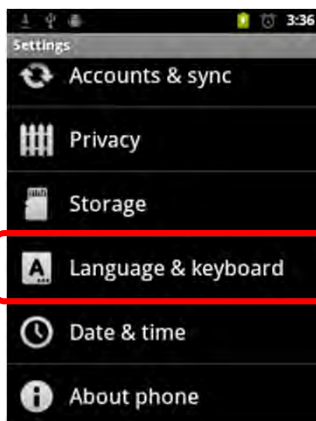- **How to change the keyboard language**

Press and hold the "space-bar" to show the language selection

Drag left or right to choose the language
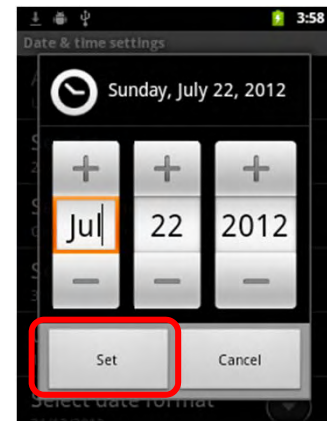
- **How to change the System language**
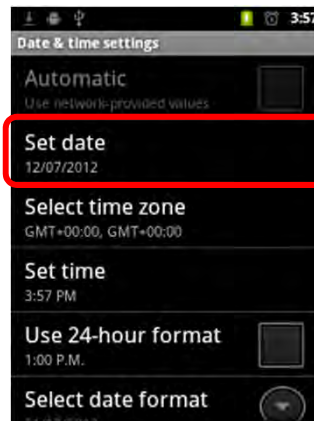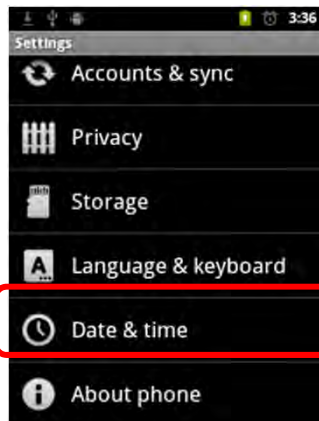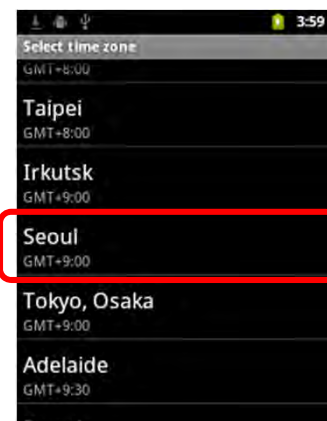

Select the language you want to use
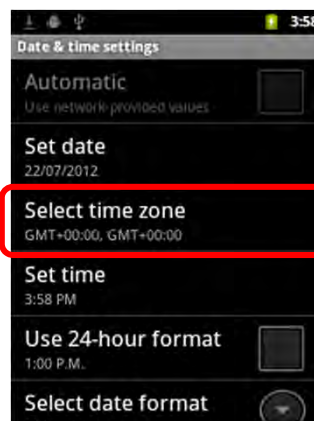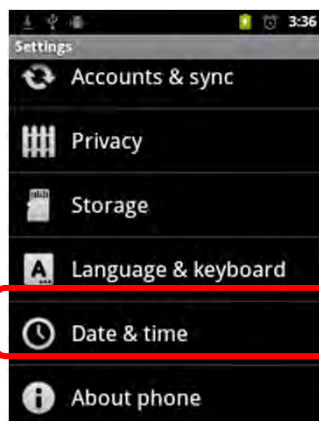
How to set the system

≫ Date & Time setting

- **How to set date**
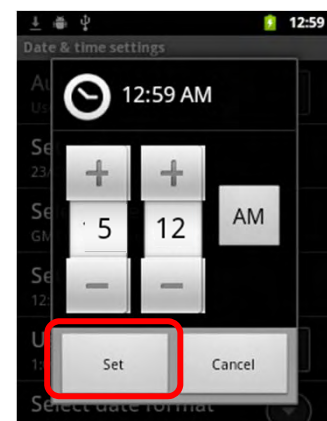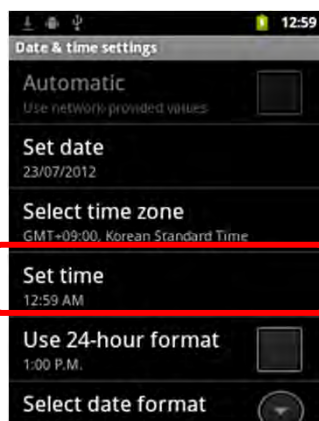

Enter the current date

- **How to set time zone & time**

Select user's time zone or city name

Enter the current time

How to set the system

≫ Wi-Fi connection

①

Tap "setup".

②

On System main page

Check the Wi-Fi mark
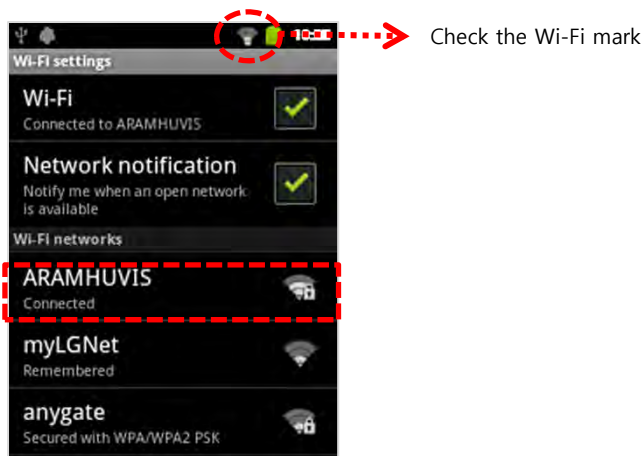
Find and connect the available Wi-Fi

How to set the system

Tap in red box

≫ Bluetooth Pairing

- **How to pair the diagnosis system with the host device**

Note * **Host device :** all kinds of PC including tablet PC you want to send the diagnosed result or the related images.
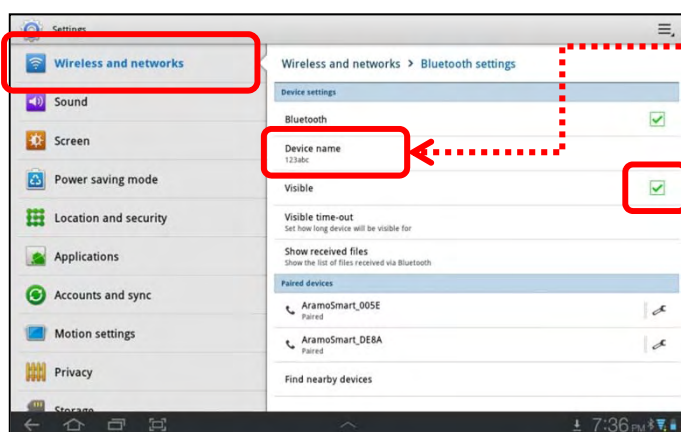
Check the name of host device

Activate the Bluetooth function on host device for the diagnosis system to search and pair with host device.

← Example image
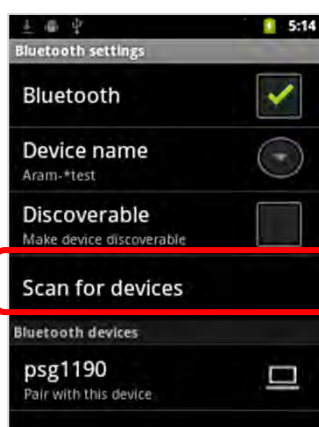
Scan for host device
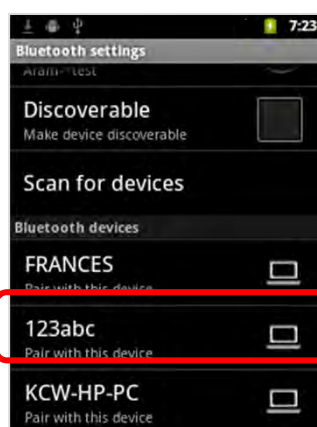
Select the host device
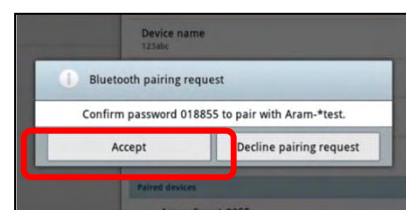
On host device

Accept the paring request sent from diagnosis system.
Password: 0 (number)
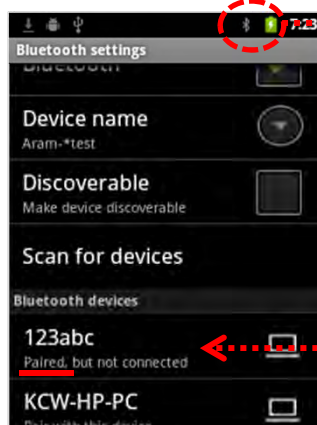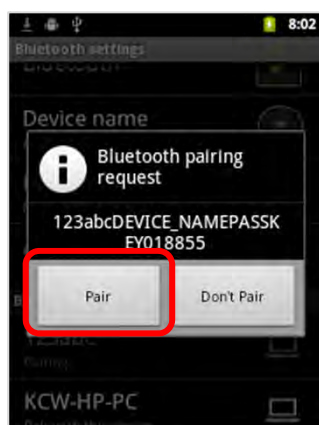
Check the Bluetooth mark

Check the pairing status

How to set the system

≫ Bluetooth Pairing

- **How to change the name of diagnosis system**
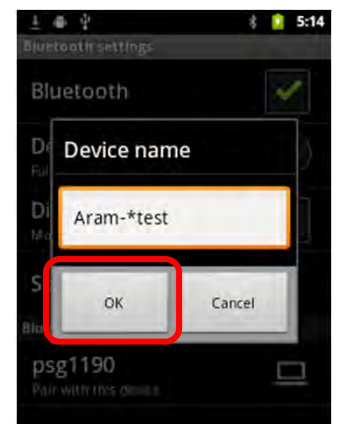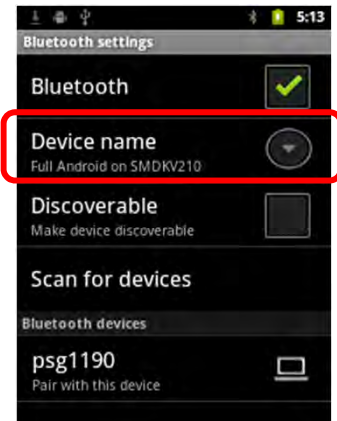
Enter the device name
what you want

How to operate_ System setting

Diagnosis Process ≫ How to setup

Tap in red box

Tap "setup".

≫ Language

Drag

Select the language

≫ Option
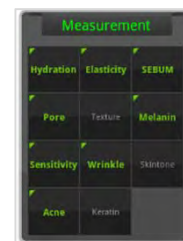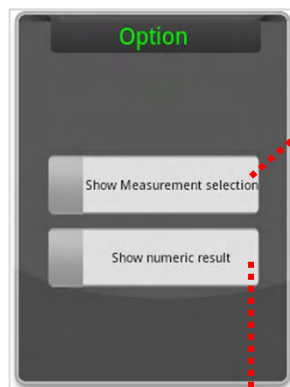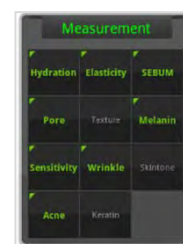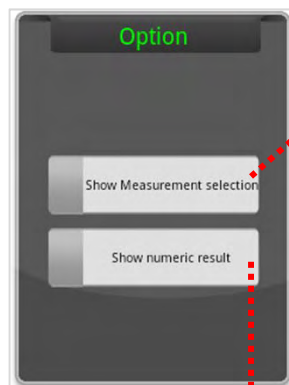
* Show measurement page before starting diagnosis.
 - Green: activate status
 - Gray: deactivate status

* Show the diagnosed result by number on the capture page.

≫ Measurement

Green : activate → Analyze

Gray : deactivate → Do not analyze

Select what you want to diagnose

Diagnosis Process ≫ How to setup

* Tap in red box

Tap "setup".

≫ Language

Select the language

Drag

≫ Measurement

Select what you want to diagnose

······▷ Green : activate → Analyze

······▷ Gray : deactivate → Do not analyze

≫ Option

* Show measurement page before starting diagnosis.
  - Green: activate status
  - Gray: deactivate status
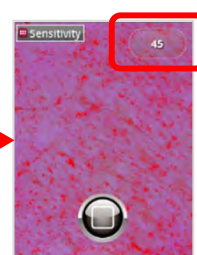
* Show the diagnosed result by number on the capture page.

Diagnosis Process ≫ How to setup

≫ Advance

Check the version of application

≫ Network

····▷ Selected status

····▷ Unselected status

Set Wireless connection; Wi-Fi or Bluetooth

≫ Email

····▷ Enter the ID (ex. abcd1234)

····▷ Enter the Domain (ex. @gmail.com)

····▷ Enter the Password (ex. aaaa1234)
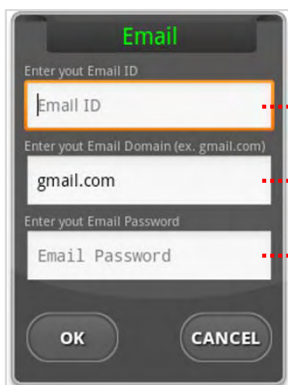
Register the sender's email account

Diagnosis Process ≫ Full mode

* Tap in red box

≫ Start diagnosis
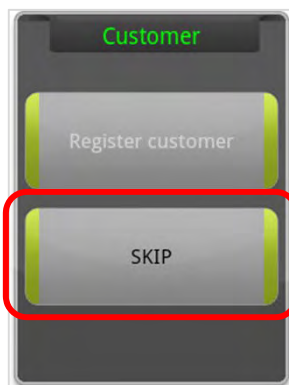
Note

* Gray : deactivate status

* Black : activate status
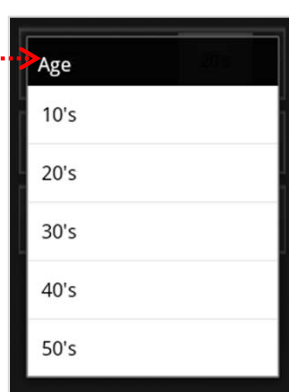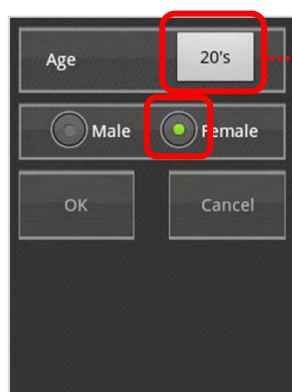
Enter age group and gender of customer

≫ Hydration & Elasticity

Place the sensor onto your skin and tap
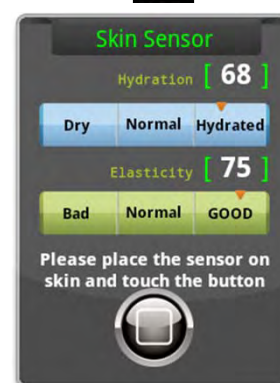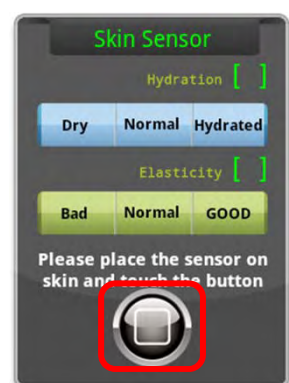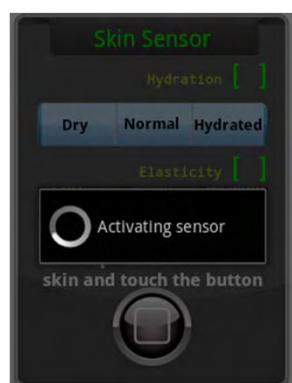
Note   ** Do NOT move during the measurement.*

* "Please, rescan…" : To measure again by taping

Diagnosis Process ≫ Full mode

≫ Sebum (T & U zone)

Put the below sebum tape (pink area) onto the U or T-zone of your face for 3 seconds.

→ How to hold the sebum paper

T - ZONE
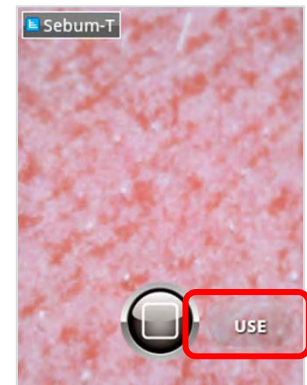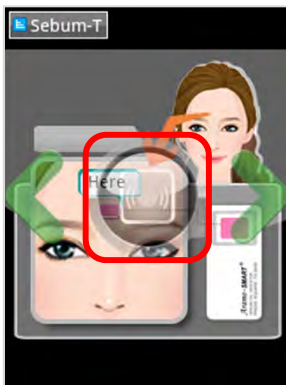
How to put the sebum paper on **T-zone**

U - ZONE
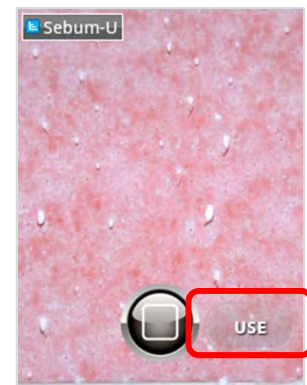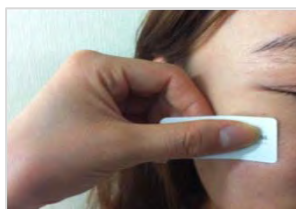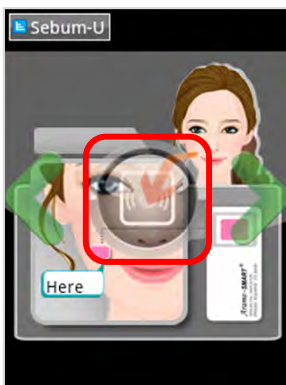
How to put the sebum paper on **U-zone**

Diagnosis Process ≫ Full mode

How to diagnose_ Full mode

≫ Sebum (T & U zone)
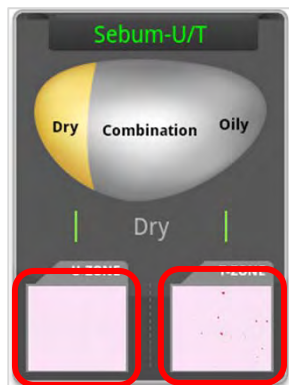
Tap [Analysis]

Tap each image to magnify
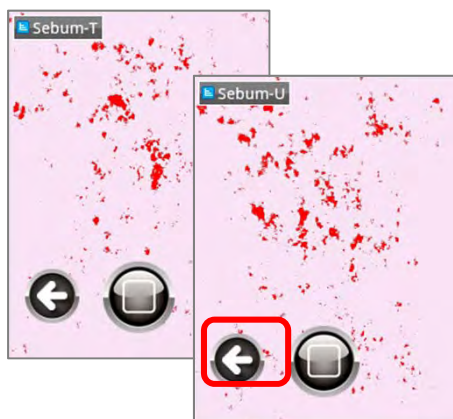
Tap ⬅ to go back to "Sebum-U/T" page.

Note

*** Touch the ">" or fling the screen to go to next page.**

*** Tap the screen to focus.**

*** Take the image without any white blank.**
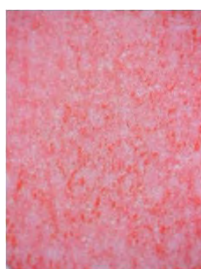
O   X
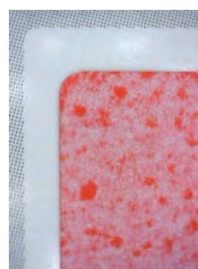
Diagnosis Process ≫ Full mode

≫ Pore
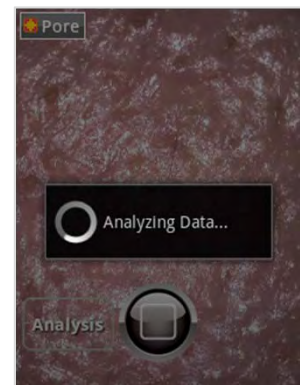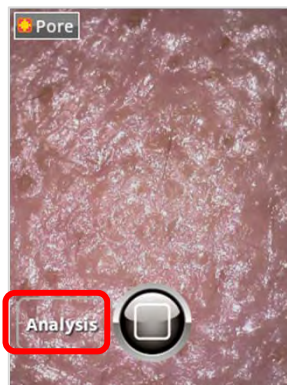
Tap. **Analysis**

Tap **3D**   3D image

Note

* Touch the ">" or fling the screen to go to next page.

* Tap the screen to focus.

How to diagnose_ Full mode

Diagnosis Process ≫ Full mode

Tap in red box

≫ Melanin
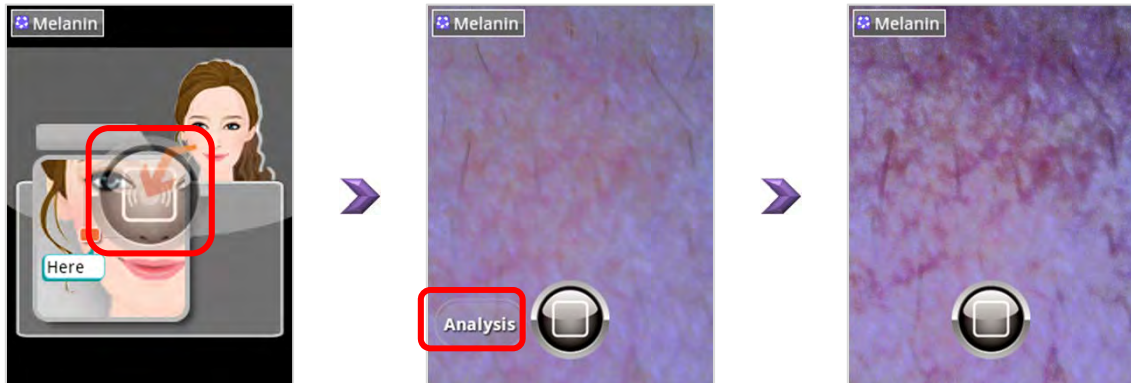
Tap. Analysis

≫ Sensitivity
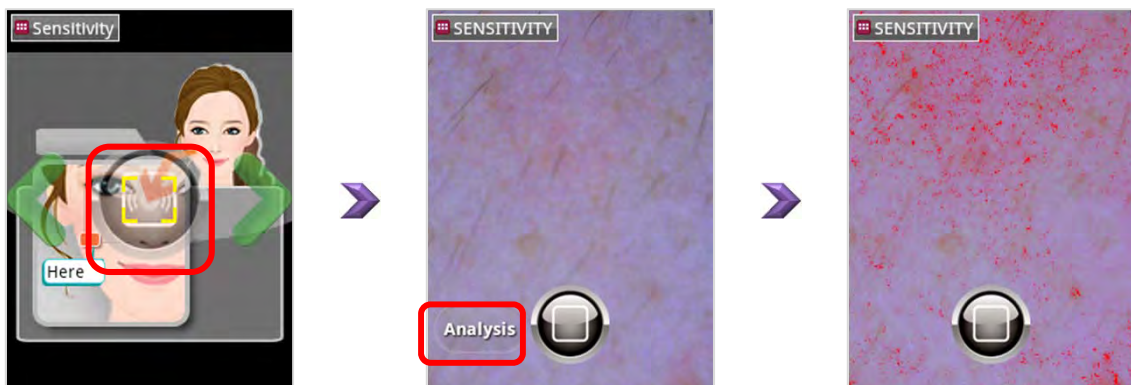
Tap. Analysis

≫ Wrinkle
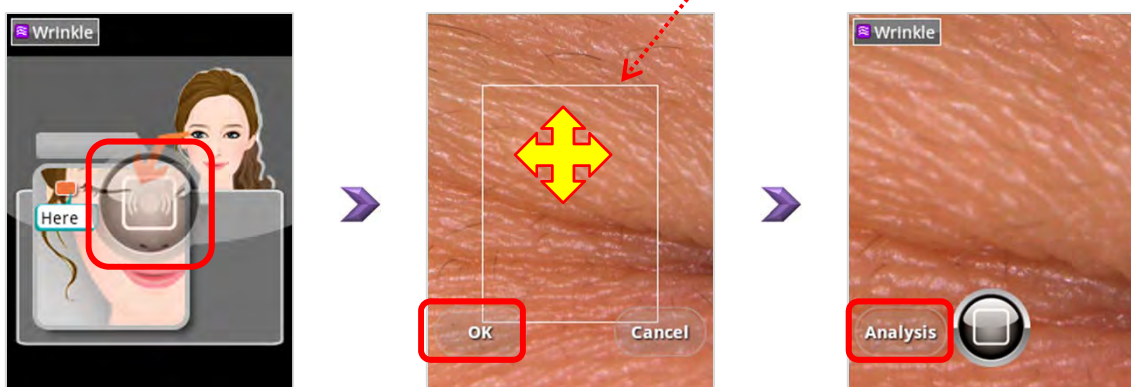
Choose the area by moving the white box

Tap. Analysis

Note

* Touch the "˃" or fling the screen to go to next page.

* Tap the screen to focus.

Diagnosis Process ≫ Full mode

Tap in red box

≫ Wrinkle
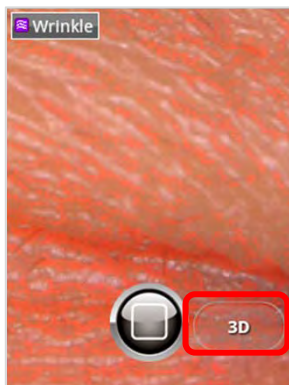
Tap 3D
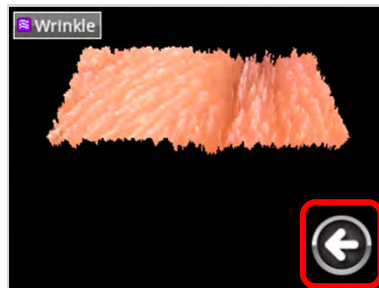
3D image

≫ Acne
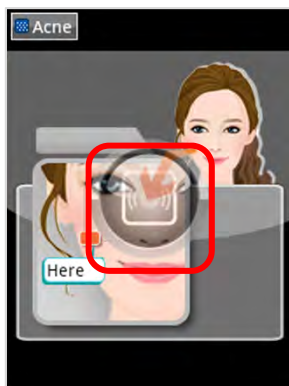
Tap Analysis
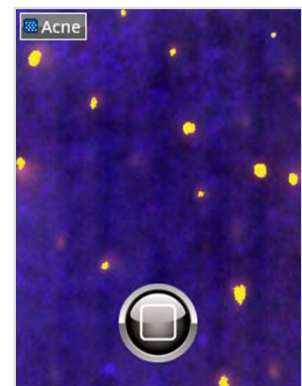
Note

* Touch the "＞" or fling the screen to go to next page.

* Tap the screen to focus.

Diagnosis Process ≫ Full mode

≫ Analysis result

Note   ** Product recommendation : to be updated*

Diagnosis Process ≫ Full mode

≫ Send
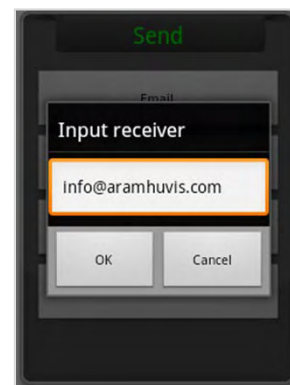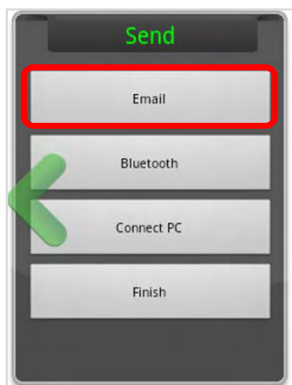
Enter the customer's email address.
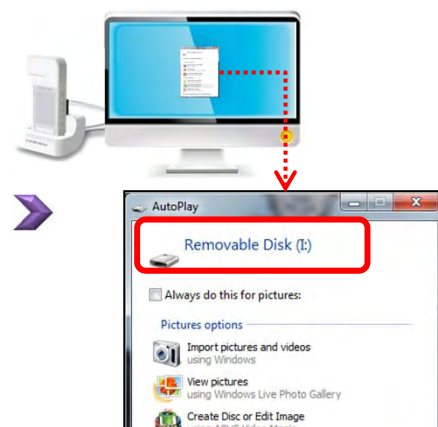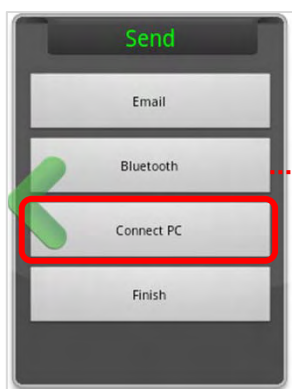
Recognized as a Removable disk on PC
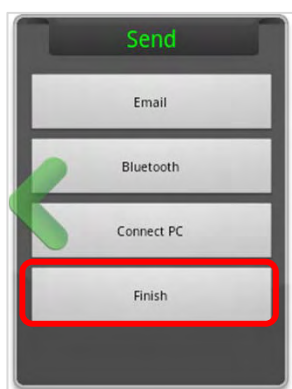
Note

* Bluetooth : to be updated

Diagnosis Process ≫ View mode

Tap in red box

≫ NL mode (for Wrinkle)
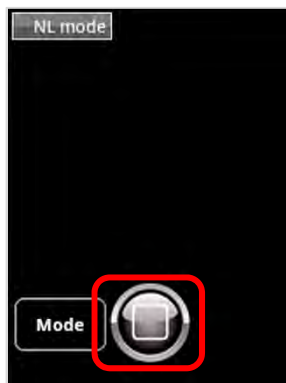
Tap **Mode** to change the lighting mode.

Choose the area by moving the white box

Analysis

3D
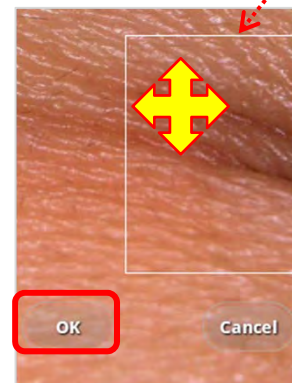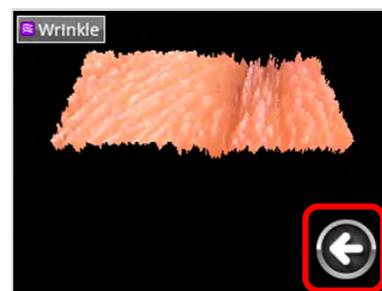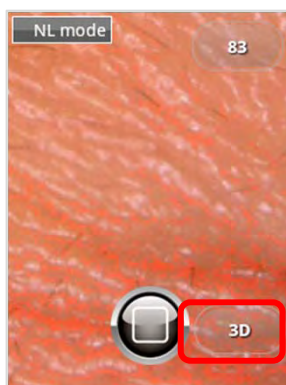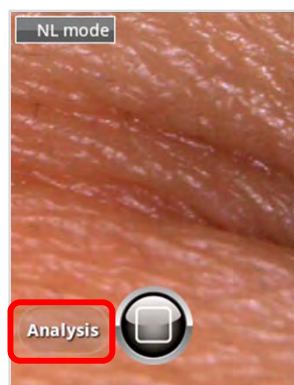
3D image

≫ PL mode (for Melanin)

Tap **Mode** to change the lighting mode.
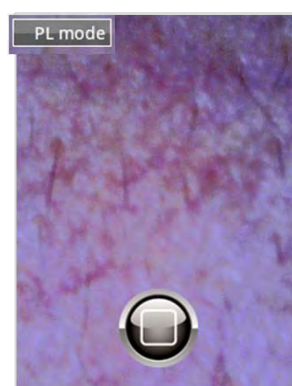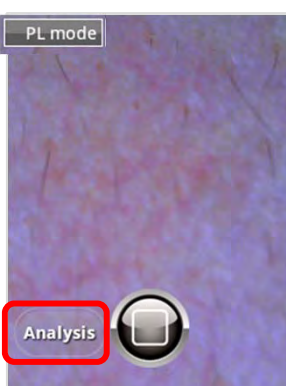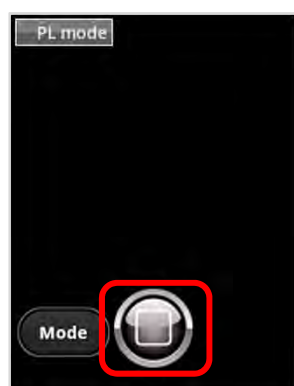
Mode

Analysis

Note * Touch the "＞" or fling the screen to go to next page.

* Tap the screen to focus.

Diagnosis Process ≫ View mode

* Tap in red box

≫ UV mode (for Acne)

Tap (**Mode**) to change the lighting mode.
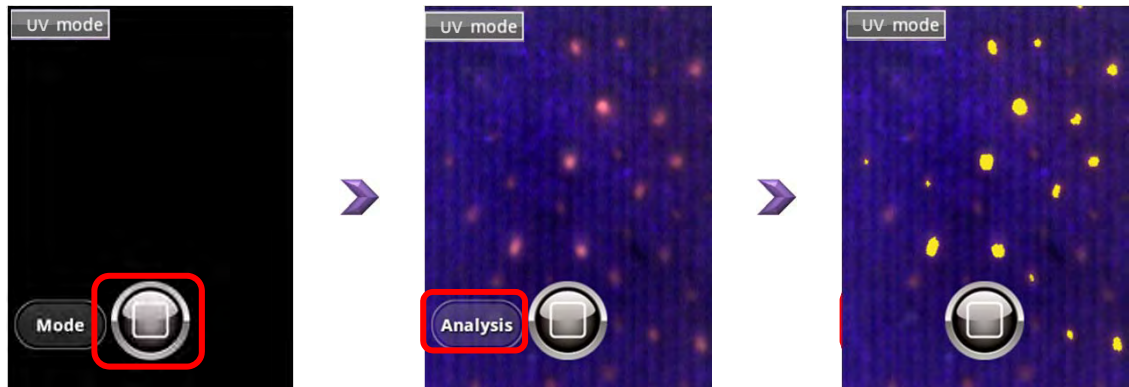
Note

* Touch the "＞" or fling the screen to go to next page.

* Tap the screen to focus.

How to update the application

How to set the APSII

Note * Check the Wi-Fi connection before updating

② Setup
①

② Update
①

Drag down

smartnavi.apk
Download complete   9:24 AM

Replace application

The application you are installing will replace another application.

All previous user data will be saved.

OK   Cancel

Do you want to install this application?

Allow this application to:

✓ **Storage**
modify/delete USB storage contents

✓ **Network communication**
full Internet access

Install   Cancel

Installing...

Application installed

Open   Done

How to remove the application

How to set the APSII

On System main page
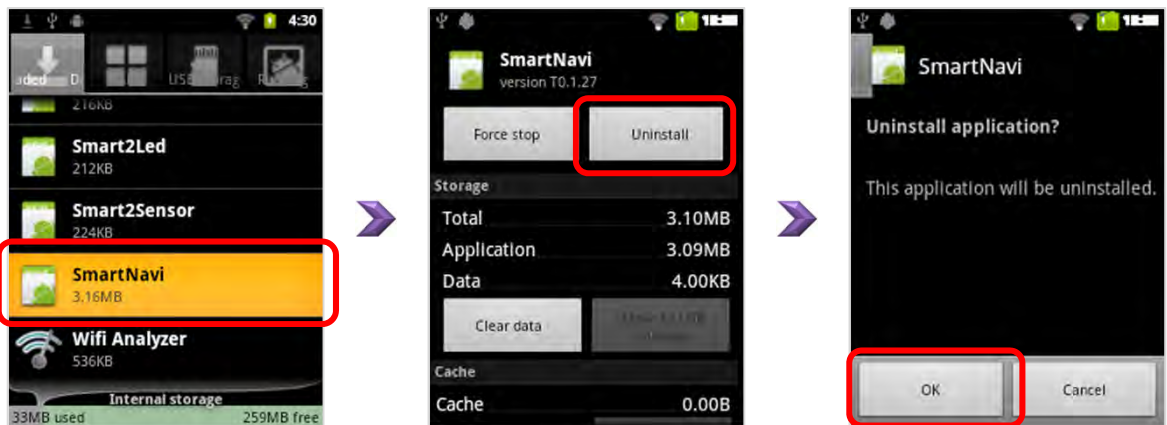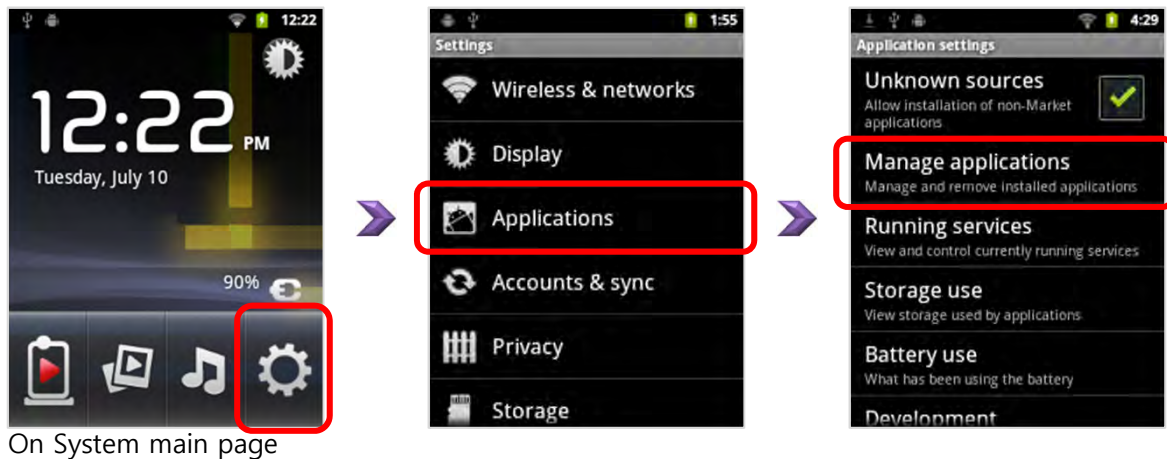
Find "Smartnavi" application.
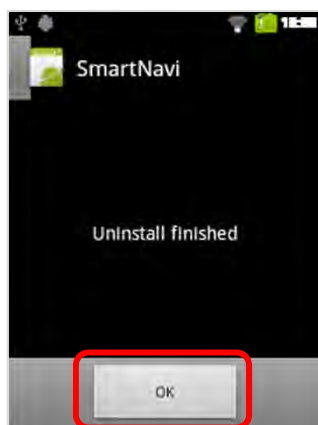
How to re-install the application after removing

Tap in red box

① On System main page

②

Enter the address below and download the application
www.aramhuvis.com/data/asn2/smartnavi.apk

Drag down

Install

Installing...

Application installed

Open   Done
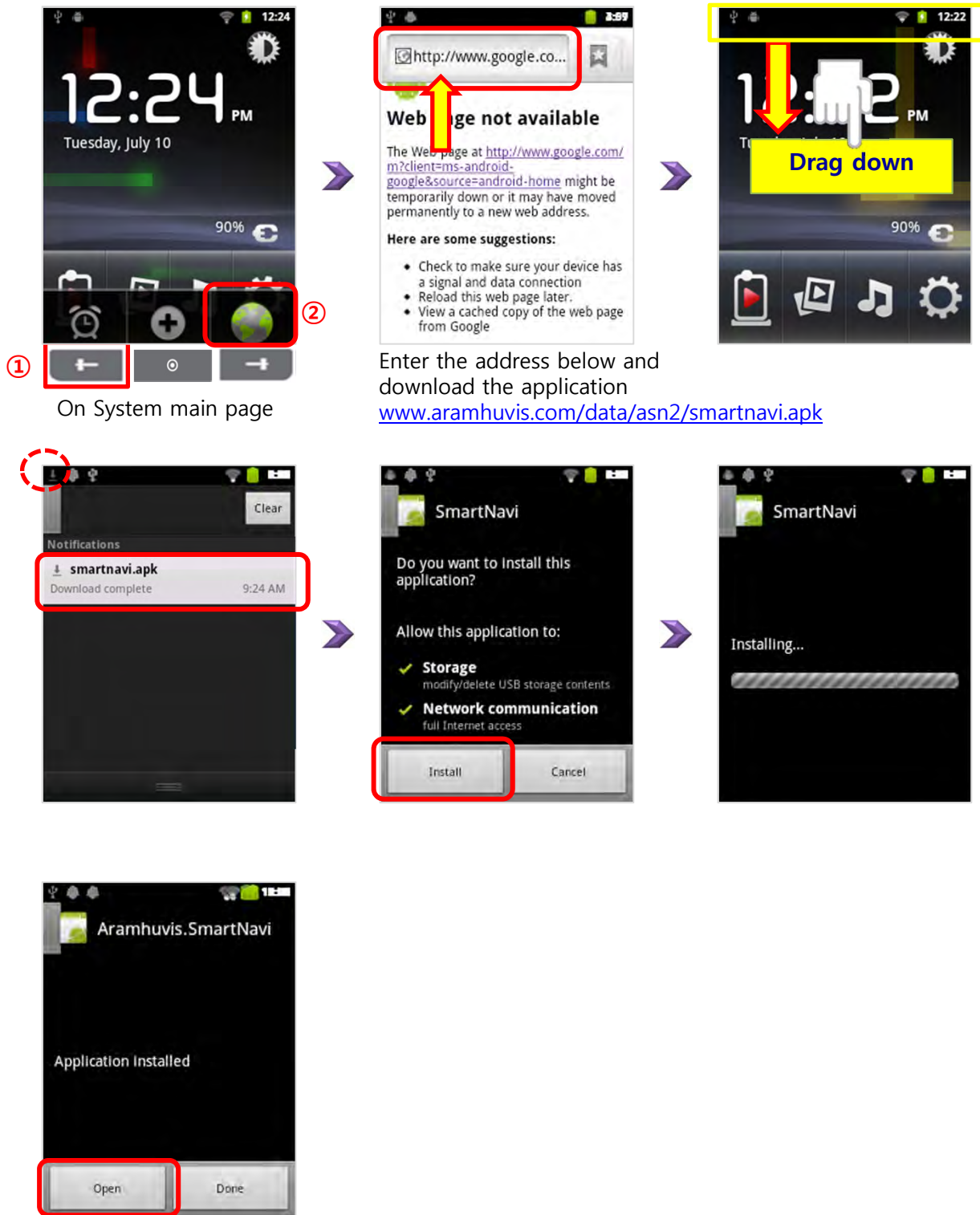
Standard & Features

Section	Item	Contents
Optical/Camera Sensor	Camera	5M pixel CMOS
		X30,X60 TPL
	AF	VCM
	Sensor	Hydration
	Light	Normal, Polarize, UV-[3CH]
HW	CPU	S5PV210 ARM-CORTEX A8 [1GHz]
	Memory	DDR2 SDRAM (512MB) / NAND FLASH (512MB)
	SD Memory	T-Flash (Micro SD)
	LCD	2.2Inch TFT LCD QVGA (240*320)
	Touch	R-TOUCH
	Wi-Fi	Wireless 802.11b/g/n (Wi-Fi Direct Avail)
	Bluetooth	BT ver3.0+HS
	Audio	AC97 , Codec (WM1800)
	SPEAKER	Max 1.0 W, Internal Speaker
	USB	USB 2.0 HOST/DEVICE
	Battery	Li-ion (1150mAh)
	Adaptor	AC Adaptor DC 5V / 2000mA
	Key Pad	Power , 4-direction navi Key ,Left , Right
	Microphone	Internal MIC
	Storage	Micro SD ver2.0 (2GB)
	Weight	127g (with battery)
	Dimension (mm)	57(W) x 116(H) x 18 (D)
SW	Bootloader	u-boot-1.3.2
	OS	Android Gingerbread 2.3
	Media	MPEG4(SP/ASP)/H.263(Profile3)/H.264(BP/MP/HP)
	Applications	Google app.
	Debugging Port	USB Client/UART

Troubleshooting Guide & FAQ

I cannot turn on the device.

> • Connect and charge the device (or the battery) using the adaptor provided the supplier. (The battery charging indicator will be shown on the system main page.)

I cannot power on the device even the battery is still full.

- The battery might be dislocated on the device. Please separate the battery from the device and put it on, and then power on again.

The battery is not charging very well.

- Separate the battery from the device and put it on again.
- Check the connection among a device, a battery, and a charger.
- A battery cannot be charged if there is an alien substance on the charging port. In this case, please use the device after cleaning the charging port of the device or check whether the sticker is attached on charging port.

The using time of the battery is different from the manual.

- The battery using time will be shorten if you put the charged battery in a low or high temperature.
- The battery using time vary in service type, using environment, using period of the battery.
- The battery is consumed without using the device, and the battery using time will be shorten if you use additional functions of the device.

The device turns on but the diagnosis doesn't work.

- Check the smart card is correctly inserted (SD card slot on the button of the device).

There are dust on the device.

> • Clean the dust by using a smooth fabric. Do not use benzene, alcohol, and a synthetic detergent.

The screen is frozen and the keys not working when using the device.

- Separate the battery from the device and put it on again.
  If the device is still not working, please contact to the customer service center.

A "force close" message appears on the screen.

- The repetition of commands can trigger a bug. Sometimes there may be a brief delay before the command is completed. Do not repeat/multiply the tasks as the device will no longer be able to follow them.

Troubleshooting & FAQ

I cannot connect to Wi-Fi.

- Check the connection status on setting page.
- Try to connect to another Wi-Fi.
- - Bluetooth : Check the pairing status and try to re-pair the device with host device.

I cannot connect to Blue-tooth.

- Make sure to use the Bluetooth hosting devices that have Bluetooth certified with the logo. You may need an external Bluetooth dongle for those devices that do not have Bluetooth feature.
- Bring the device to closer with the Bluetooth hosting device.
- Try to re-pair the device with host device.
- The password of pairing is "0"(number).

The touchscreen doesn't react to my finger commands.

- Before using for the first time remove the protective plastic film.
- Use the stylus-pen provided from supplier.

The screen was turned off.

- The device has a power save function that turns the screen OFF after 1 minute. Press the on/off button to turn on the screen.

I can see the black screen only during measurement.

- Check the LED light inside lens on the head part when you try to measurement. If you cannot see the light, please connect the customer service center.

The image is not clear.

- Tap the screen while capturing to focus.

I cannot update the diagnosis application.

- Check the network connection, the update process can be done after connect to Wi-Fi.

CAUTION UPON INSTALL & USE

Thanks for using the product of Aram HUVIS Co., Ltd.. The product undergoes strict quality management and inspection process before production and introduction to market. Product defect or trouble during warranty period is entitled to free repair.

Model		Serial No.	
Date of Purchase		Customer Name	
Place of Purchase		Contact Information	

Please, fill out warranty and keep it with receipt to enjoy better service in the future.

▶ **Warranty Period**

　　14 MONTHS from the products arrival.

▶ **Service Free of Charge**

Service is provided free of charge only if product defect occurs within 1 year from the date of purchase (within Warranty Period).

Case	Service	
	Within Warranty Period	After Warranty Period
Functional or operational defect which occurs under normal condition of use within 10 days after purchase	Product replacement	
Functional or operational defect which occurs under normal condition of use within 14 year after purchase	Free of charge	
Defect which results from the mistreatment by the user	Partial free repair Or Repair with charge	Repair with charge

▶ **Repair with Charge**

* Cases except for product defect

　If service is requested due to the reasons except for defect, service fee may be charged.

　- Defect resulting from the mistreatment by the user

　- Defect resulting from the lack of caution (leakage or shock) or unauthorized repair or remodeling

　- Defect due to natural disasters such as fire, earthquake or flood

CAUTION UPON INSTALL & USE

1. Humidity

Do not install the product in the place with rain leakage or of high humidity. If the product is leaking, it may cause damage or fire.

2. Repair

Do not disassemble or remodel the product because it may cause danger such as an electric shock. When a problem occurs, do not attempt to repair it. Instead, contact the seller.

3. Electricity

Do not use electricity except for what is prescribed here. Using improper electricity may cause an electric shock or danger.

4. Installation Environment

Do not install the product in a too hot or cold place. (Recommended Temperature : 15℃ ~ 35℃)

5. Sunlight

Do not expose the camera of the product to the sun or a direct ray of light. It may cause product damage

6. Shock or Vibration

Do not drop the product or give it a strong shock or vibration.

7. If the product does not work properly

If a problem occurs while using the product (unidentified noise, smell or smoke), stop using it and turn the power off and contact the seller.

8. Dirt on Lens

Make sure that keep camera lenses clean and away from pollution. If it polluted by finger print or external dirt, cleanse it with cotton stick socked with 70% Ethyl Alcohol solution or use air blower to remove the dust. Those products are available at camera shop.

9. For After-Service

When any of the following occurs, turn the power off and have the product repaired at the place of purchase.

i.   Power Connector is damaged

ii.   The product is leaking

iii.   Liquid is spilt over the product or it has alien substance.

iv.   Product does not work as indicated in this manual.

 (Attempting to operate the product against manual may cause more serious damage.)

v.   Product is dropped to the floor and seriously damaged.

World leader of skin & hair diagnosis system

Aram HUVIS Co.,Ltd.