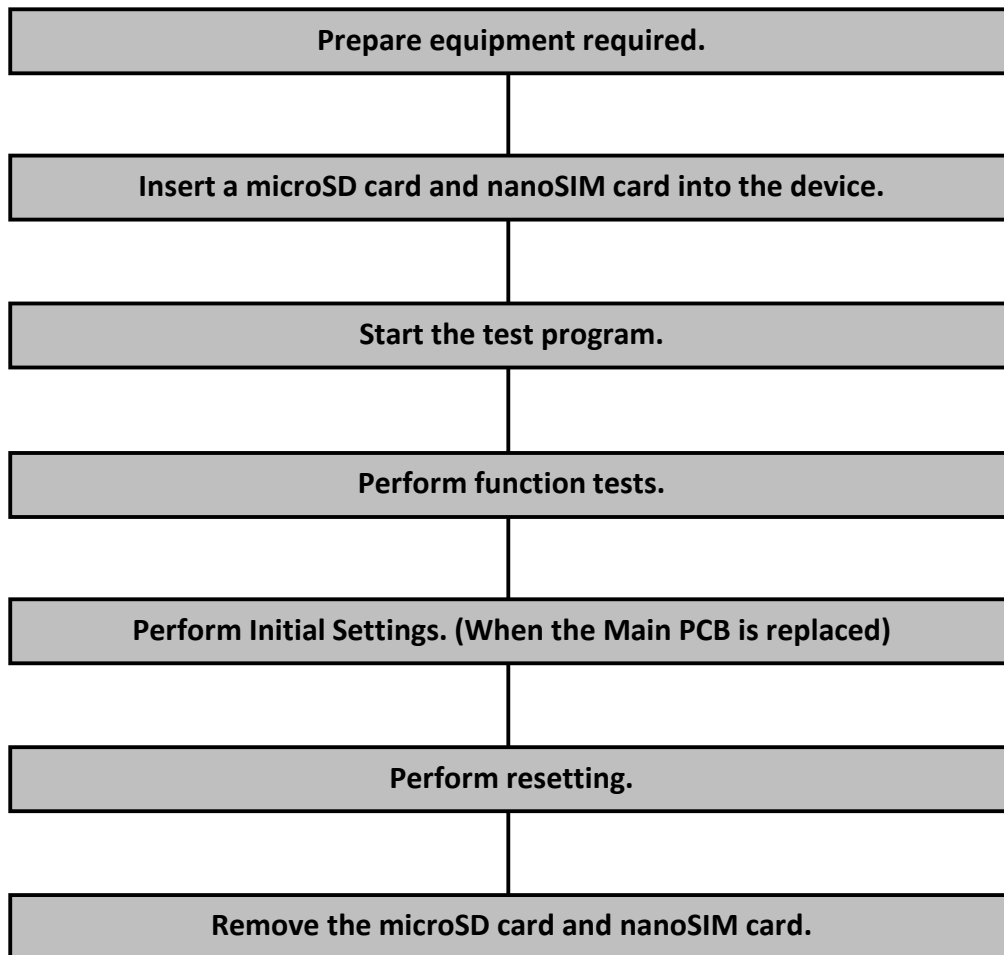


# HARDWARE TEST / SETTING

## 1. General

In this chapter, how to check the hardware of IT-G600 is explained.

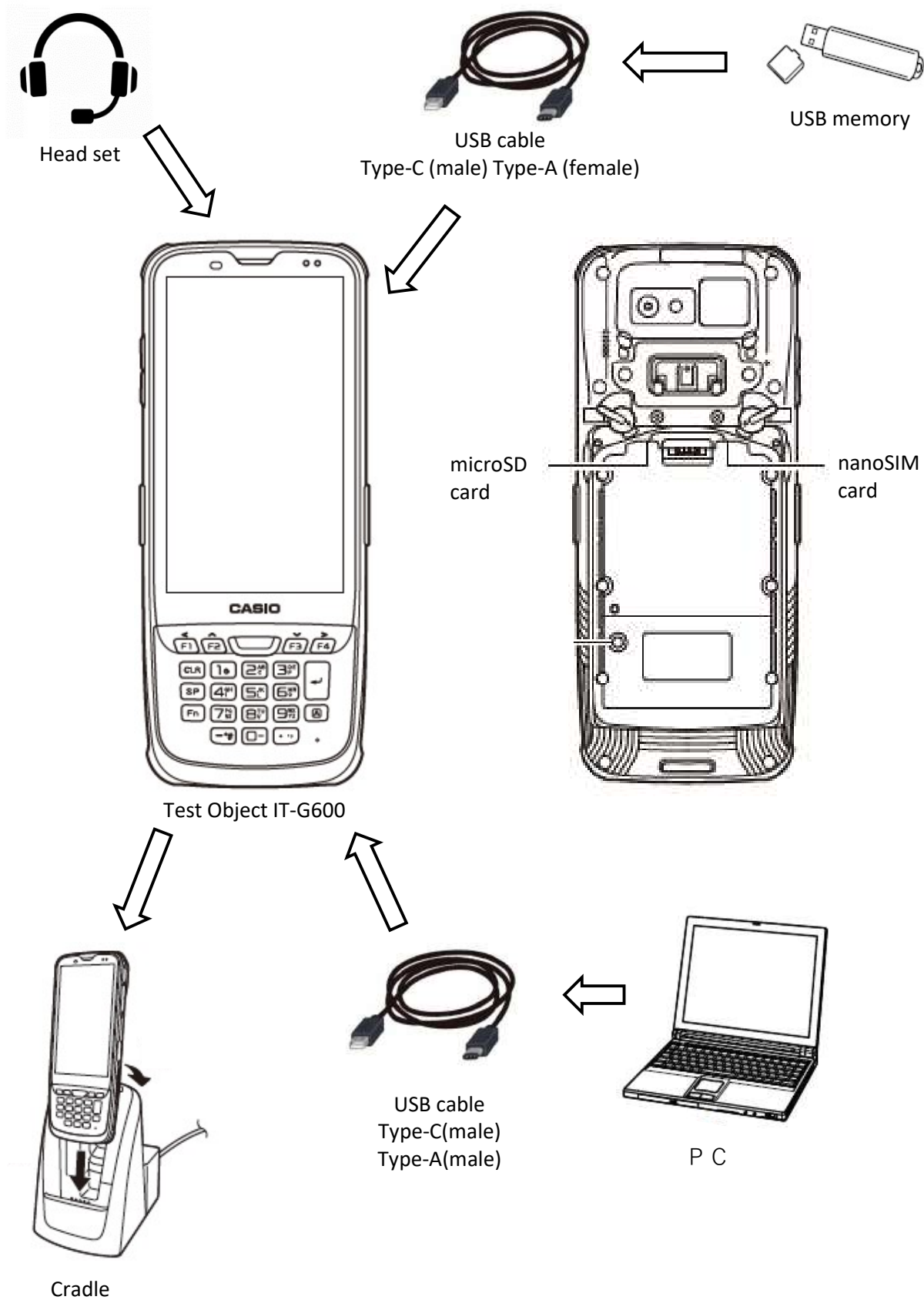
The general flow to start up the test program is as follows:



## 2. Test Equipment

The following shows the major equipment used for function test.

NOTE: For equipment used for the special test, see respective test items.



### 3. List of Tests

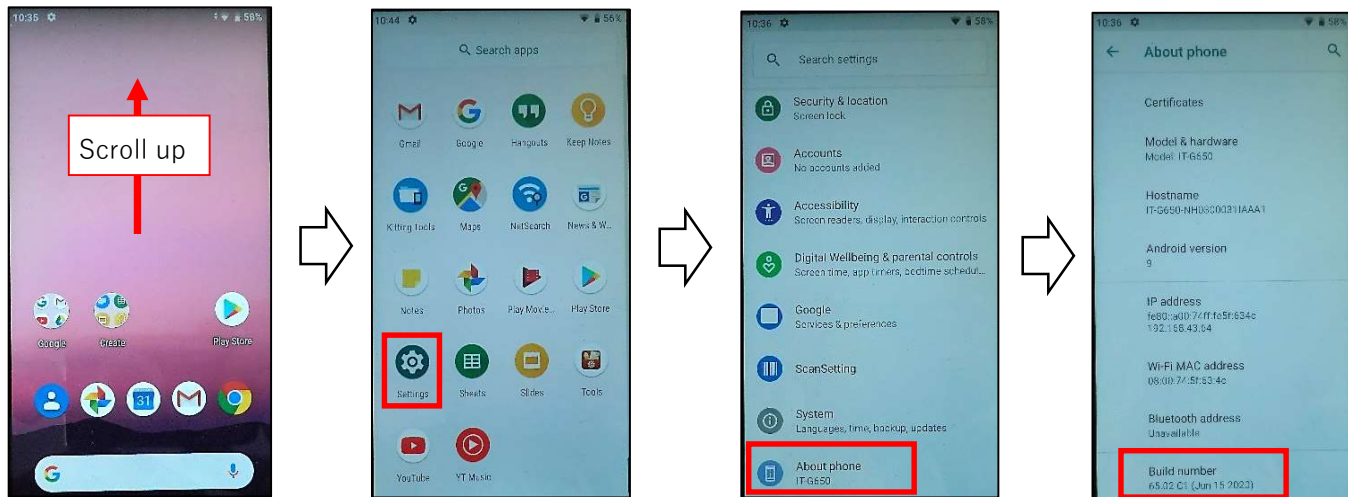
検査項目	備考
MIC/SP/Receiver	You can check the MIC/SP/Receiver.
LED/VIBRATOR	You can check the LED/VIBRATOR.
VERSION CHECK	You can check the PRODUCT VERSION.
BATTERY COVER DETECT	You can check the BATTERY COVER DETECT.
TOUCH	You can check the TOUCH PANEL.
LCD/BACKLIGHT	You can check the LCD/BACKLIGHT.
SCANNER	You can check the SCANNER.
WLAN	You can check the WLAN.
KEY	You can check the KEY.
EARJACK	You can check the Earphones JACK.
IO USB DETECT	You can check IT-G600's I/O connector correctly communicate with your PC.
IO USB HOST	You can check IT-G600's I/O connector correctly working with USB HOST device.
MicroUSB DETECT	You can check IT-G600's MicroUSB connector correctly communicate with your PC.
MicroUSB HOST	You can check IT-G600's MicroUSB connector correctly working with USB HOST device.
CAMERA	You can check the CAMERA.
NFC	You can check the NFC.
SENSOR	You can check the SENSOR.
BLUETOOTH	You can check the BLUETOOTH.
IMAGEDEMO	Do not inspect
MIC Loop	Do not inspect
CHECK MAIN SPEAKER	Do not inspect
BATTERY TEMPATURE	You can check the BATTERY.
SIM	Do not inspect
EXT B	Do not inspect
2D AIMER	Do not inspect
WAN	You can check the WAN

## 4. Preparation for inspection

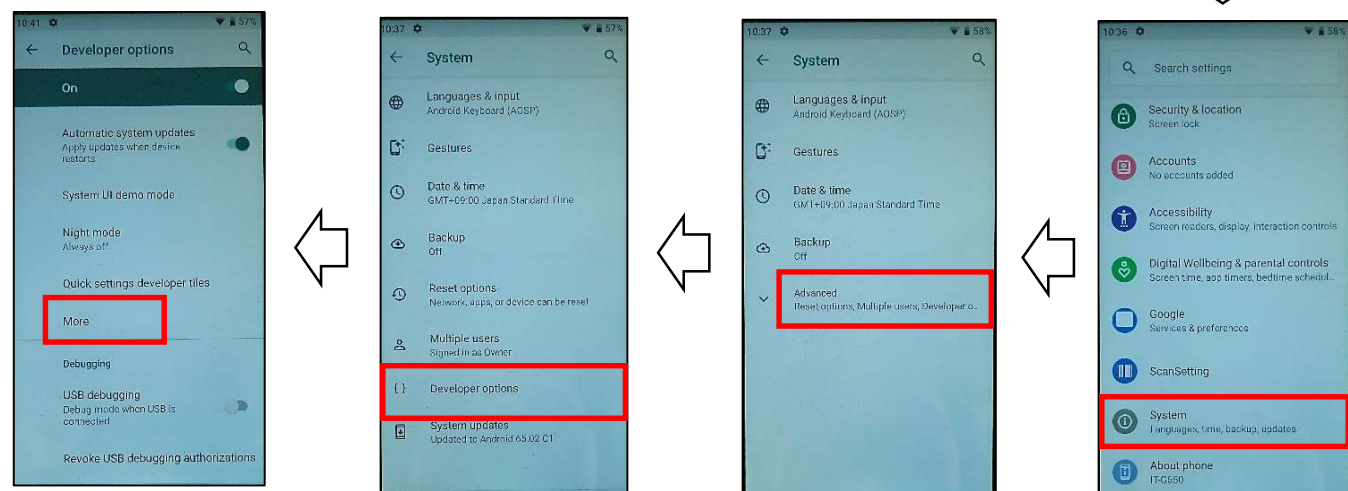
### 4-1. Insert a microSD card and SIM card into the device.

### 4-2. Running the Diagnostic Program

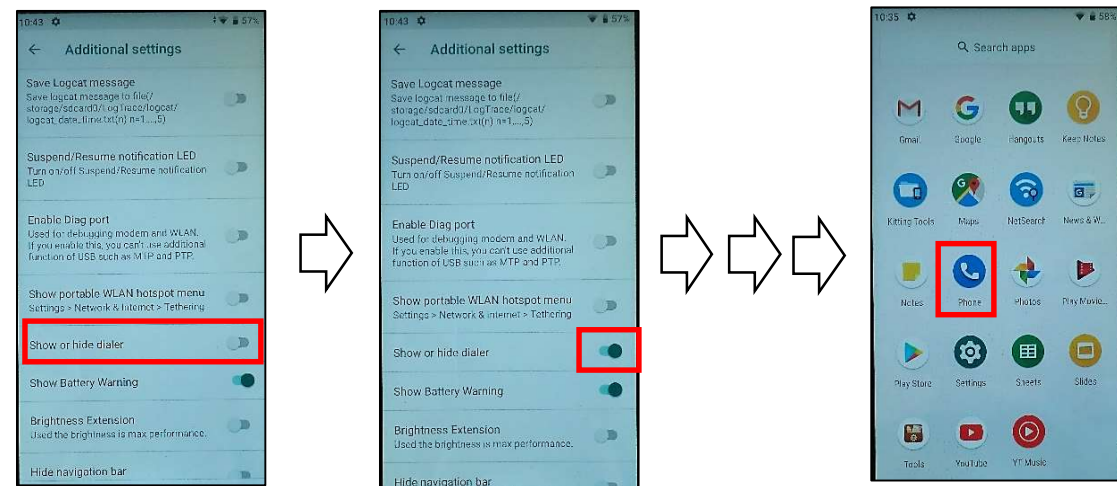
< W-LAN model >



Tap about 10 times

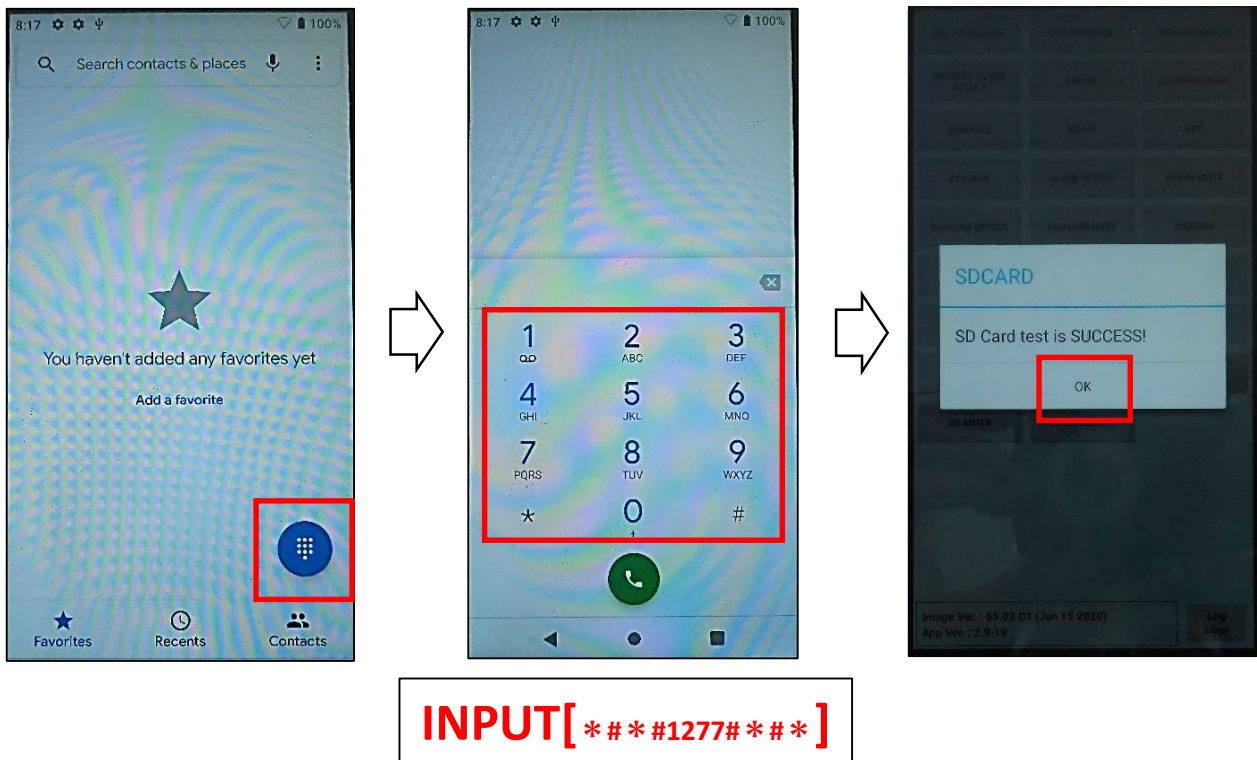


< WAN model >

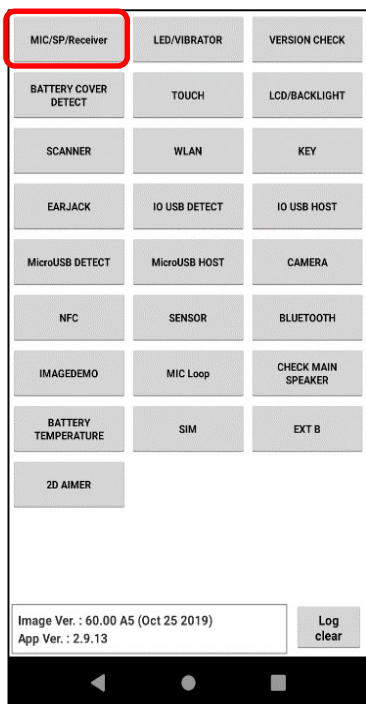


## 5. Test Procedures

### ■ SDCard

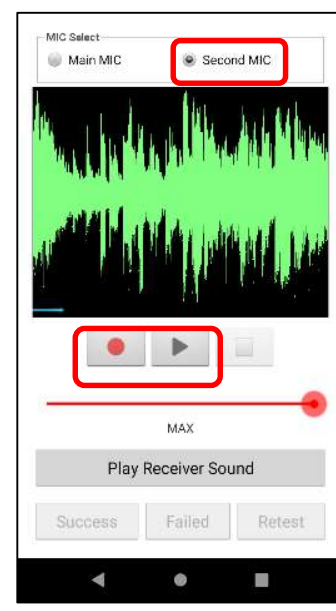


■ MIC/SP/Receiver



Click [Record] button.  
Speak to the microphone.

Click [Play] button.  
Check the recorded voice.

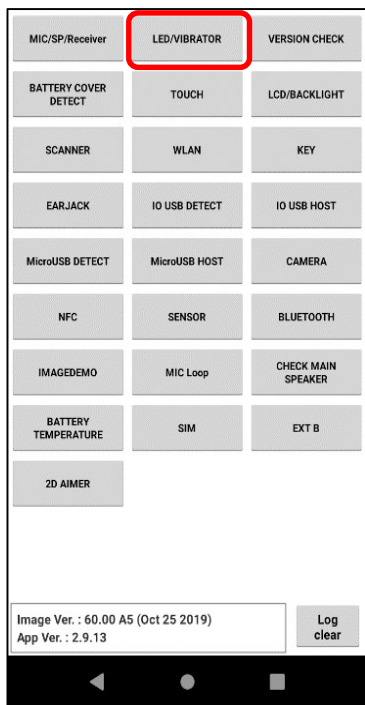


Click [Success] if the test result is satisfactory.

Press "Play Receiver Sound" to hear the sound

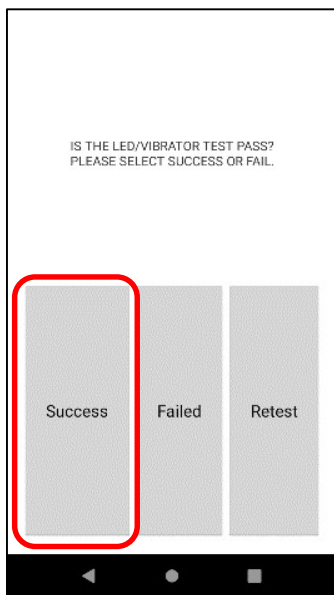
Check [Second MIC] in the same way

■ LED/VIBRATOR

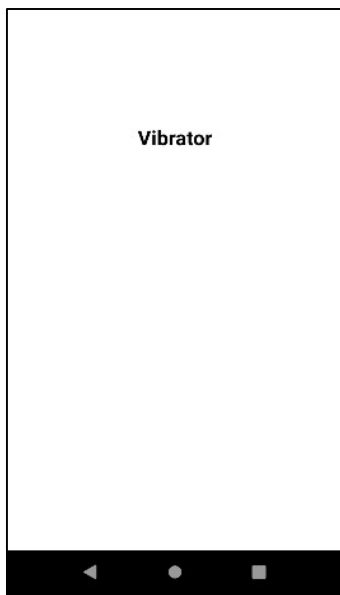


Check that the LED lights in the same color as the screen display

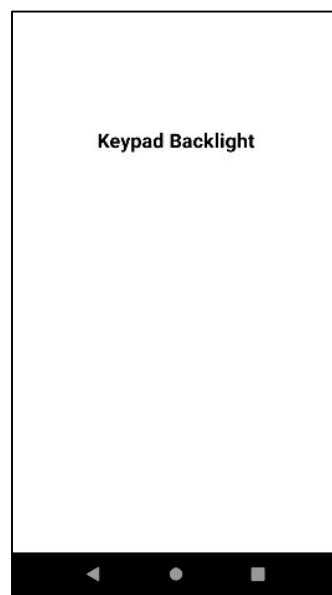
Click "Touch screen"



Click [Success] if the test result is satisfactory.

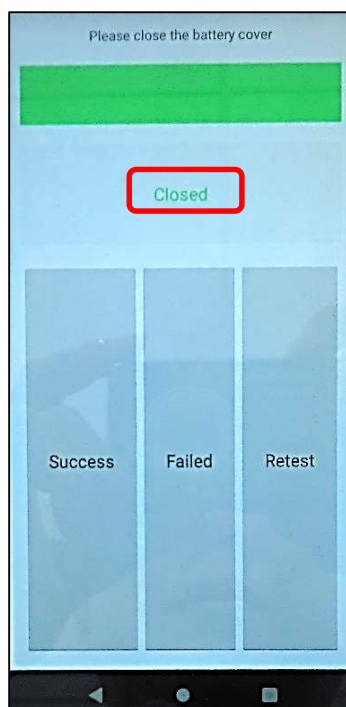
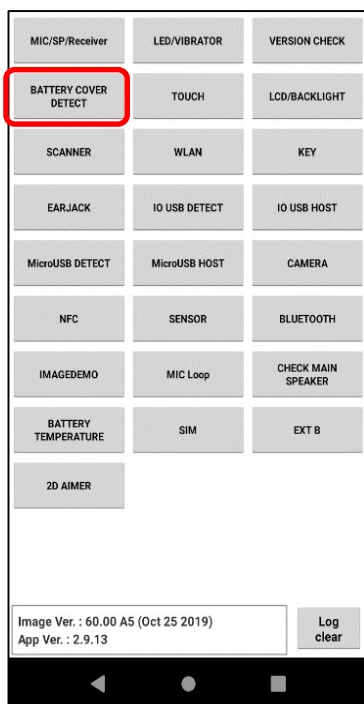


Check the vibration of the vibrator



Check that the key backlight is on

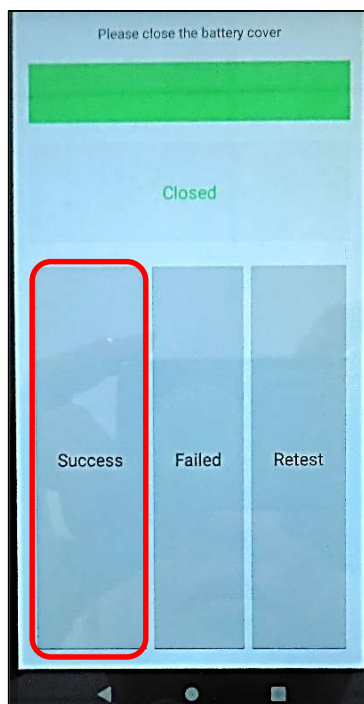
## ■ BATTERY COVER DETECT



Check that it is "Closed"



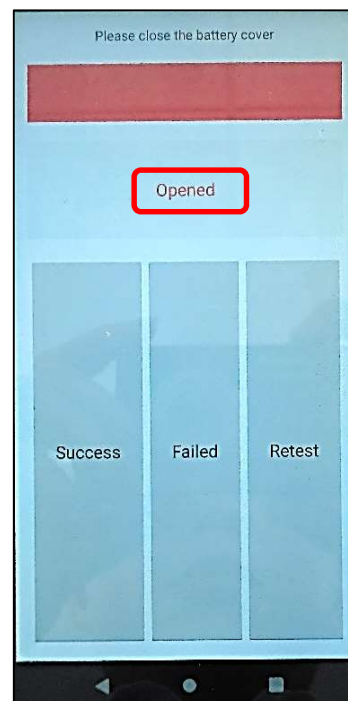
Release the right lock lever



Click [Success] if the test result is satisfactory.



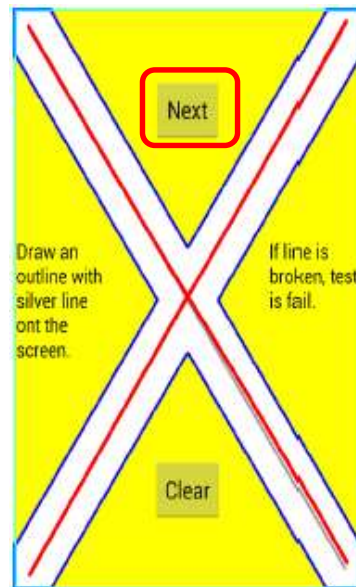
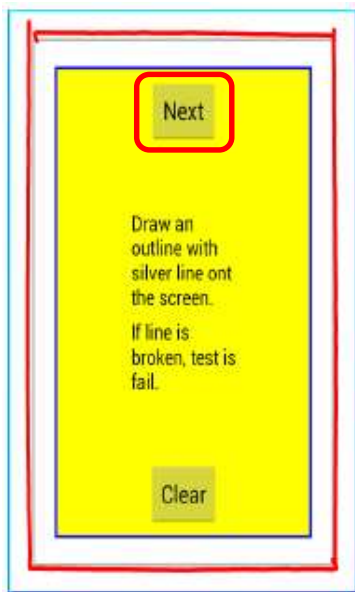
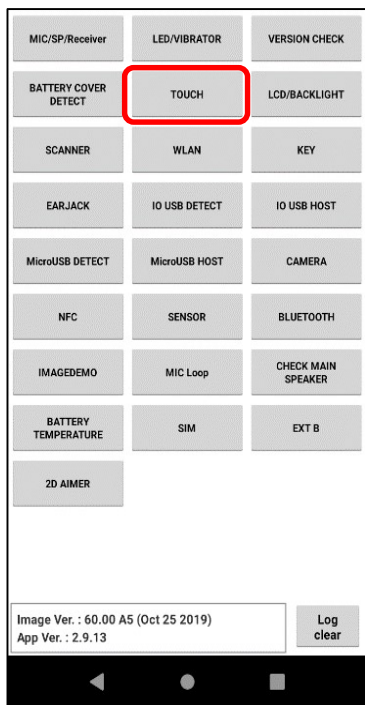
Close the right lock lever



Check to be "Opened"



■ TOUCH



**Draw an outline with silver line on the screen.**

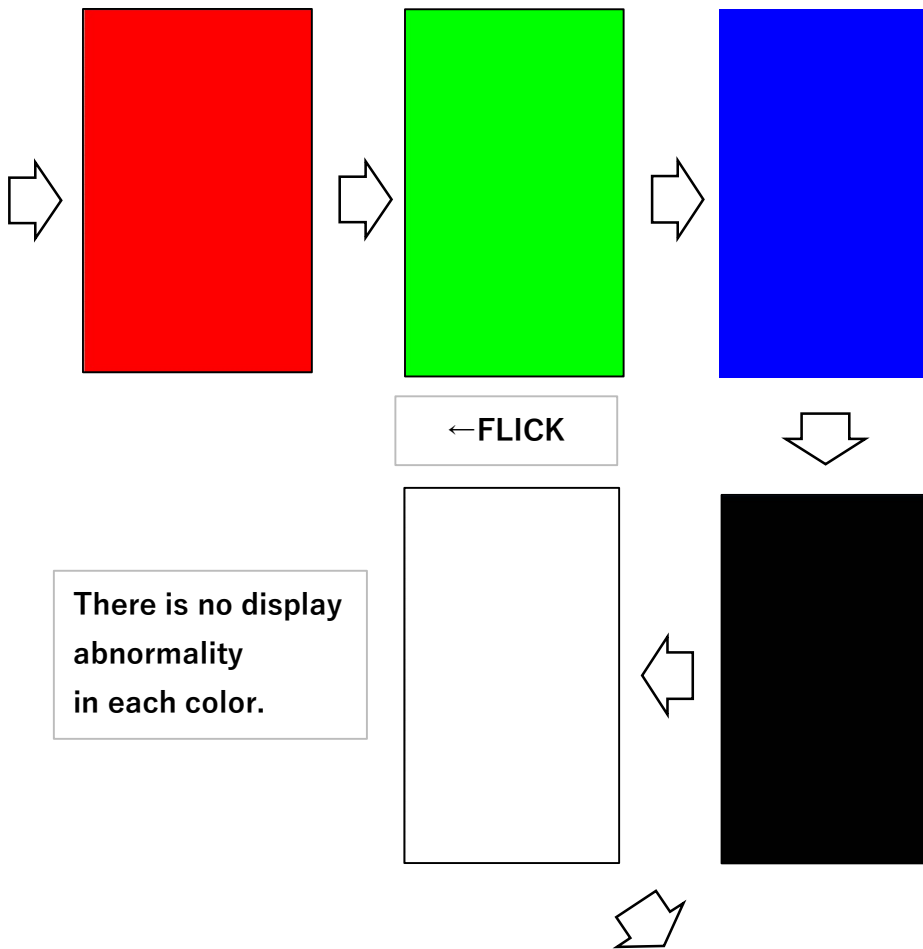
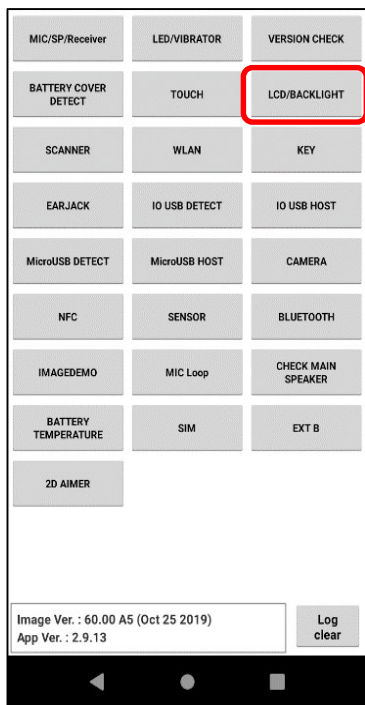
**Draw a silver line, Click Next**



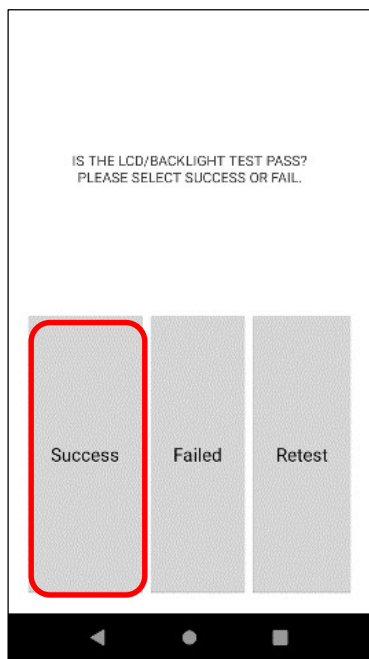
**Click [Success] if the test result is satisfactory.**

**Draw freely, Click Exit**

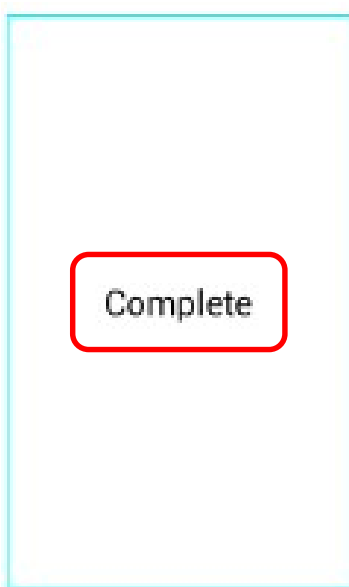
■ LCD/BACKLIGHT



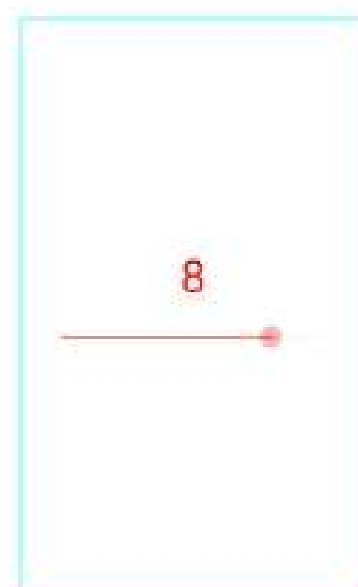
There is no display abnormality in each color.



Click [Success] if the test result is satisfactory.

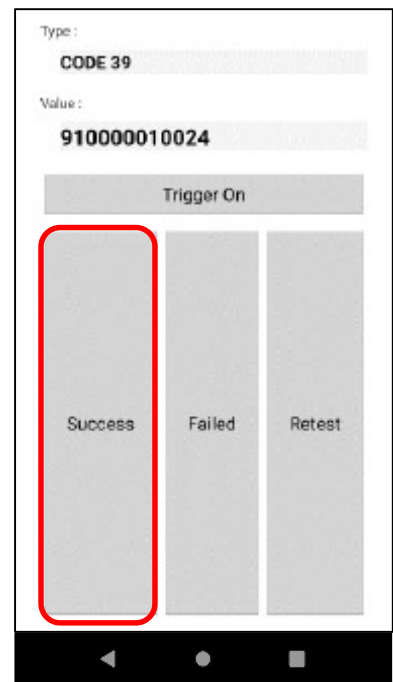
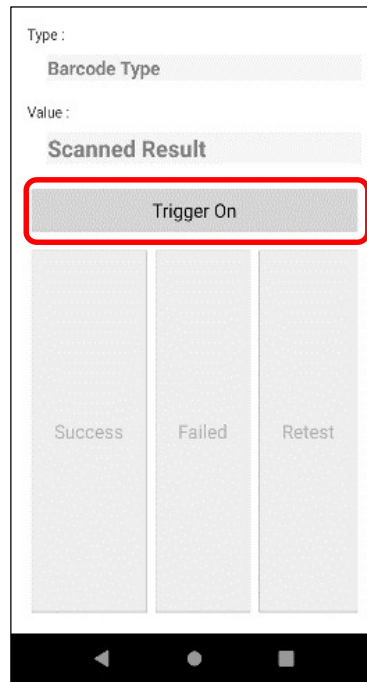
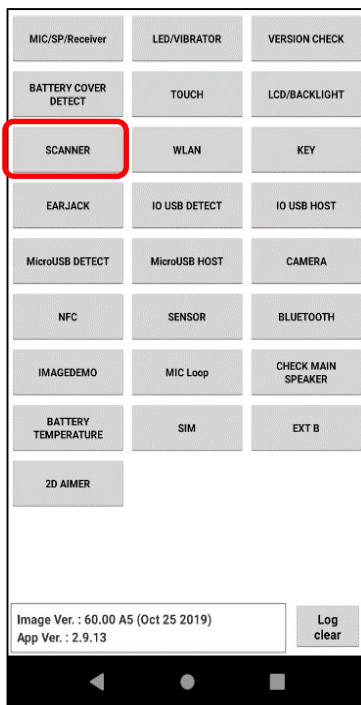


Click [Complete]



Increase number to 10 level.

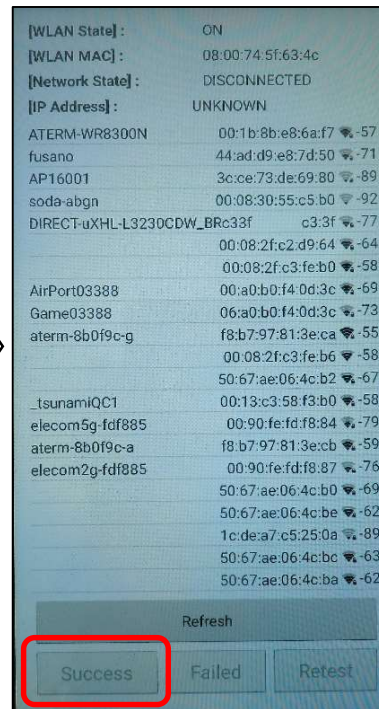
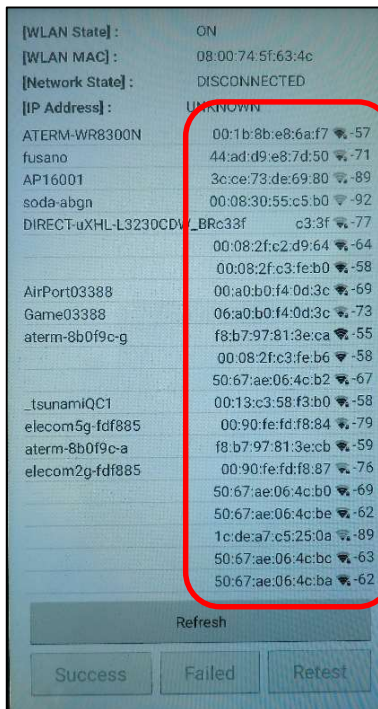
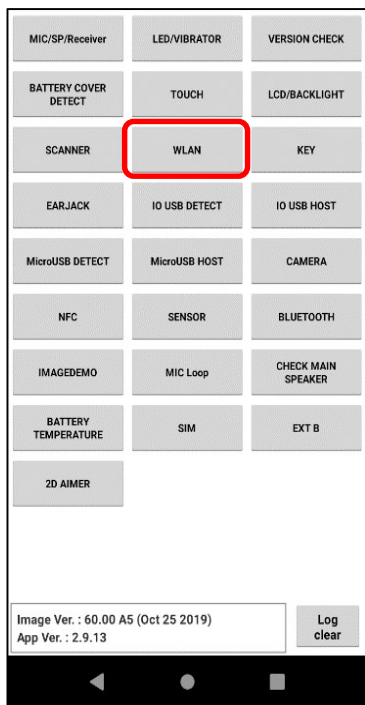
## ■ SCANNER



Trigger Onを押して  
任意のバーコードを読み取る

正常なら"SUCCESS"  
をクリック

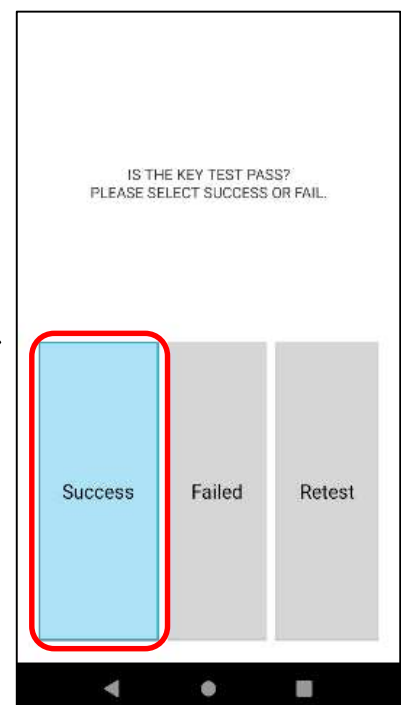
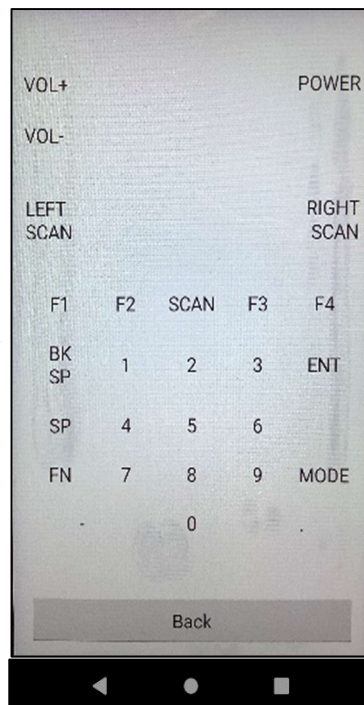
■ WLAN



Connect to any connection destination

Click [Success] if the test result is satisfactory.

## ■ KEY

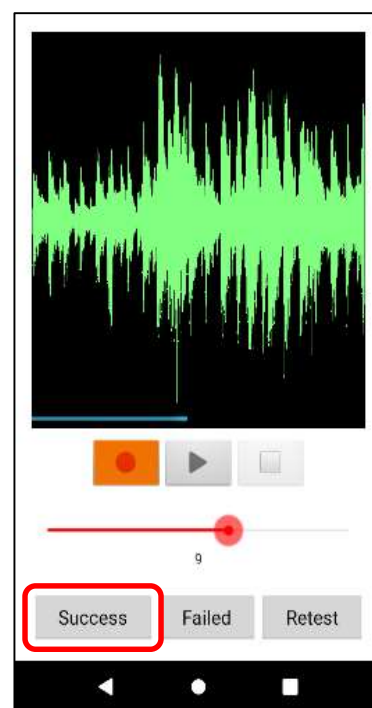
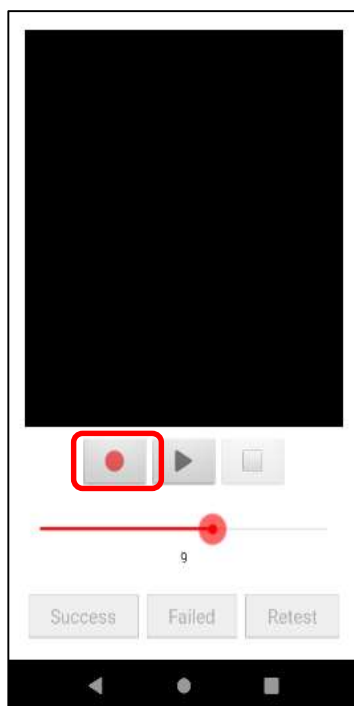
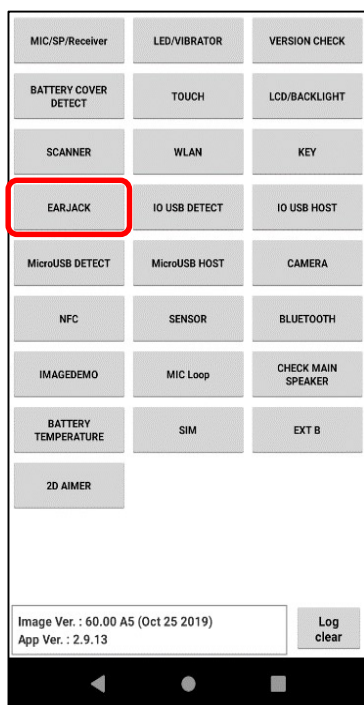


Press all the keys

Click [Success] if the test result is satisfactory.

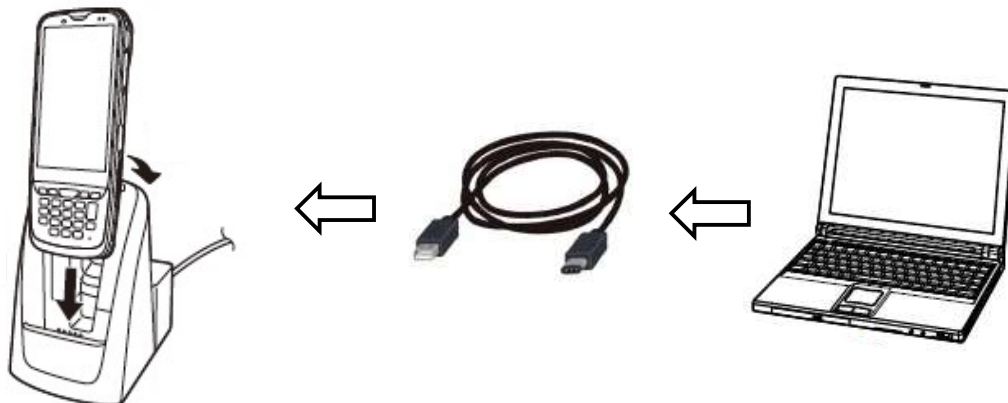
## ■ EARJACK

Attach the headset to the IT-G600.

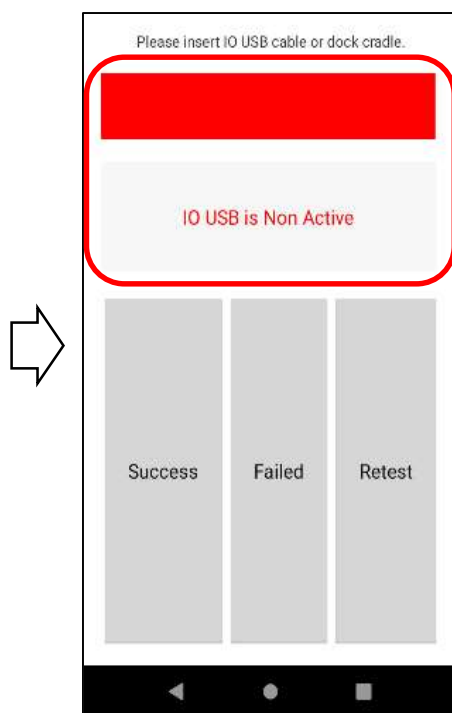
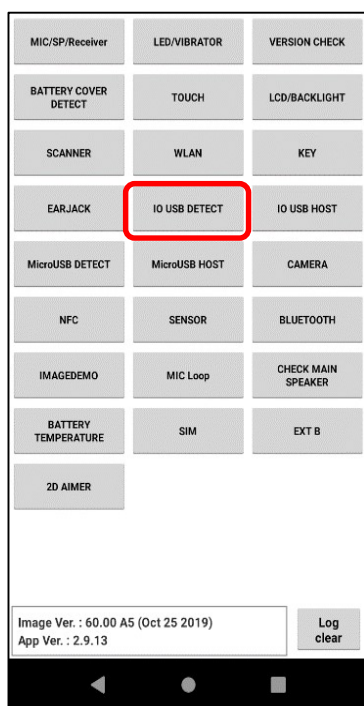


## ■ IO USB DETECT

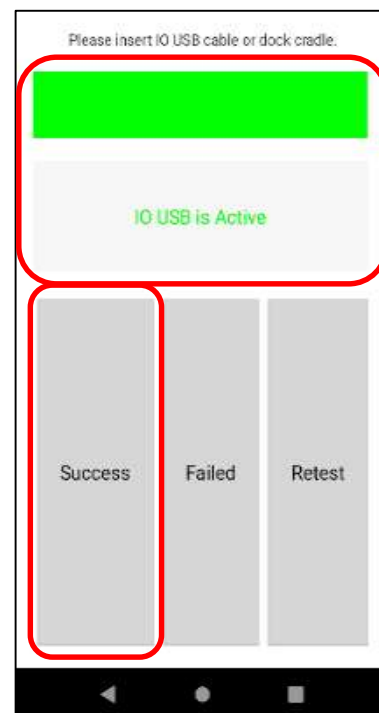
### System configuration



Changeover switch set to "A"



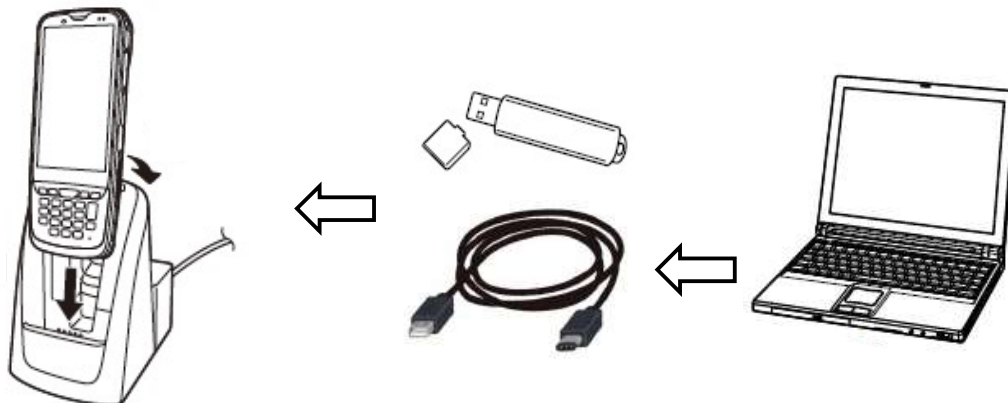
When the cradle is attached, it changes from red to green



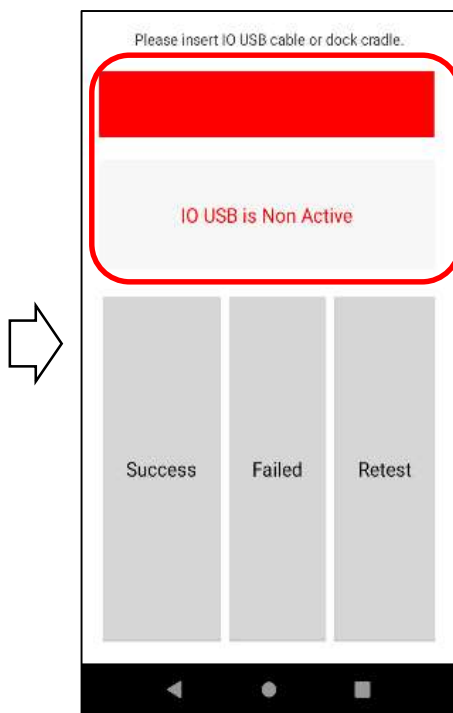
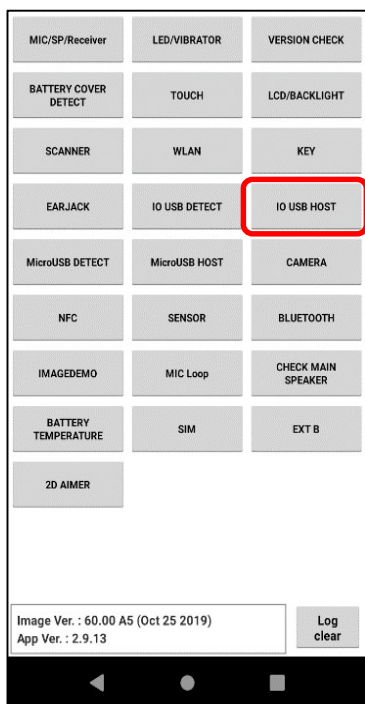
Click [Success] if the test result is satisfactory.

■ IO USB HOST

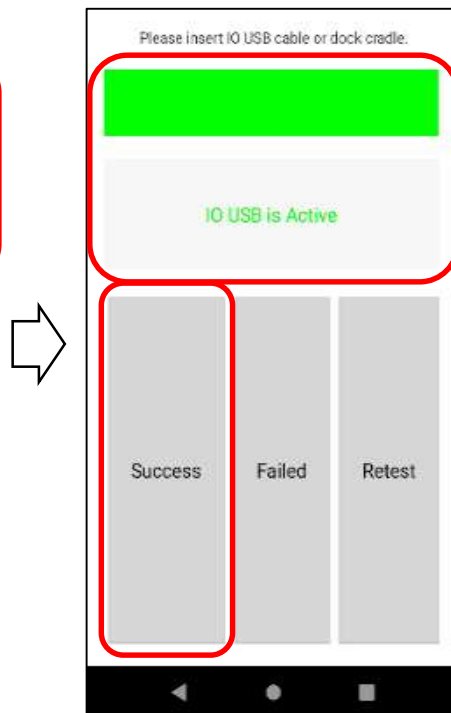
System configuration



Changeover switch set to "B"



When the cradle is attached, it changes from red to green

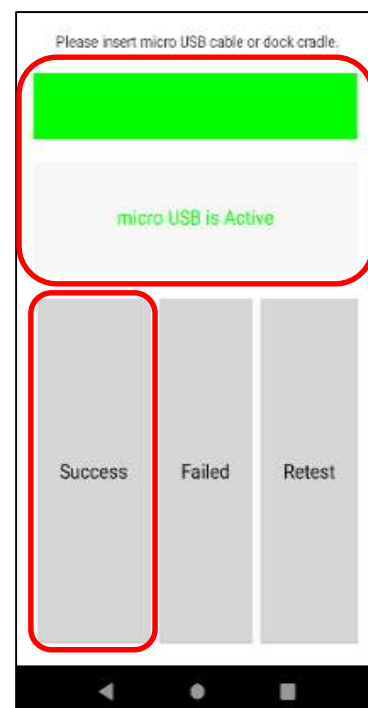
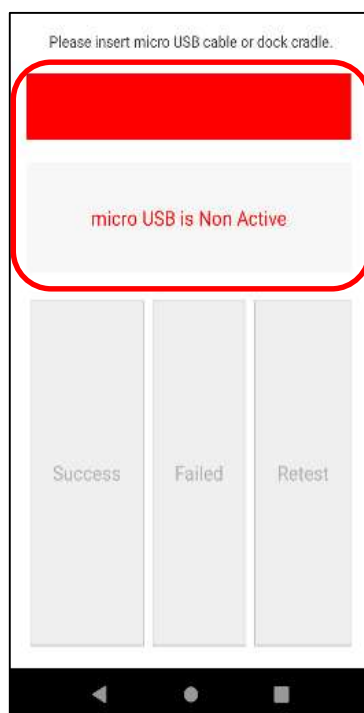
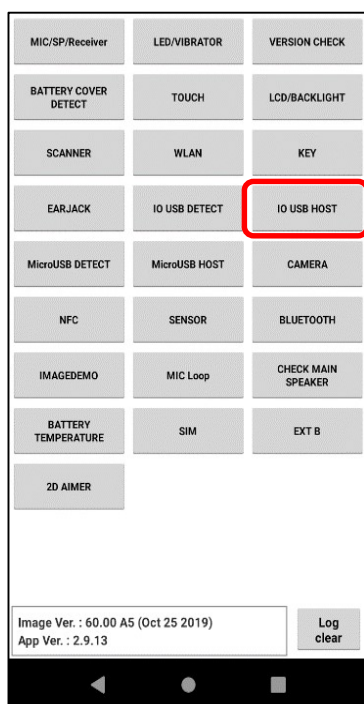
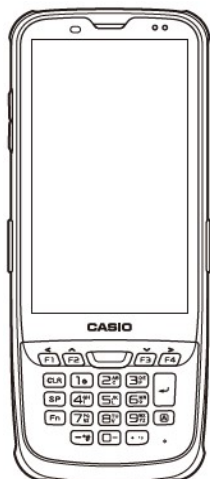


Click [Success] if the test result is satisfactory.



## ■ MicroUSB DETECT

### System configuration

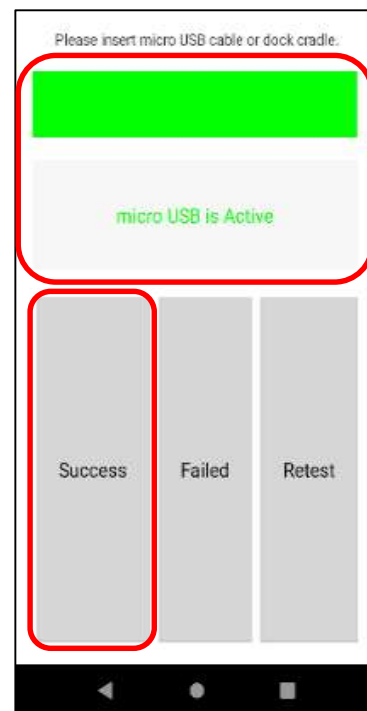
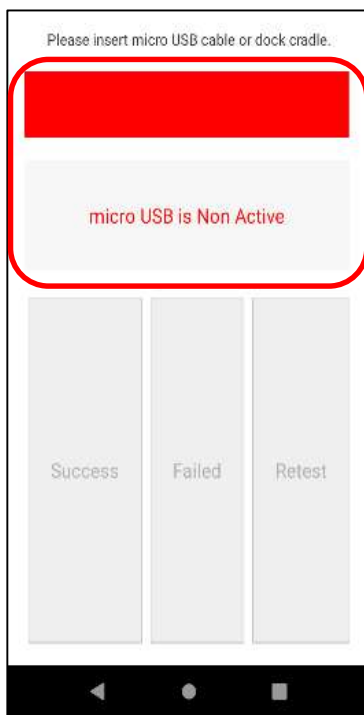
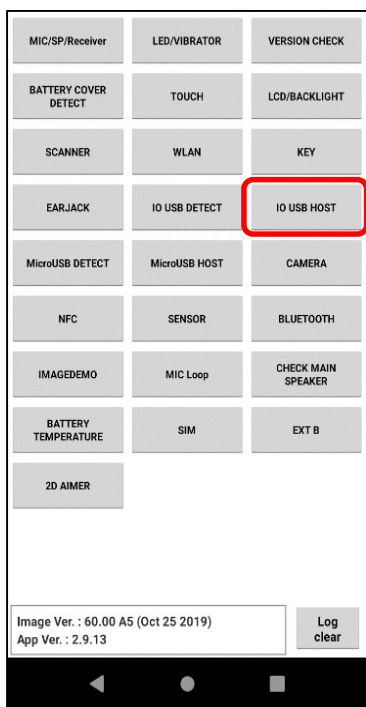
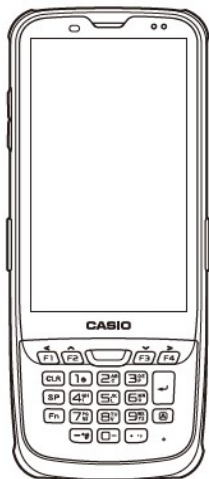


Changing from red to green when connected to a computer

Click [Success] if the test result is satisfactory.

■ MicroUSB HOST

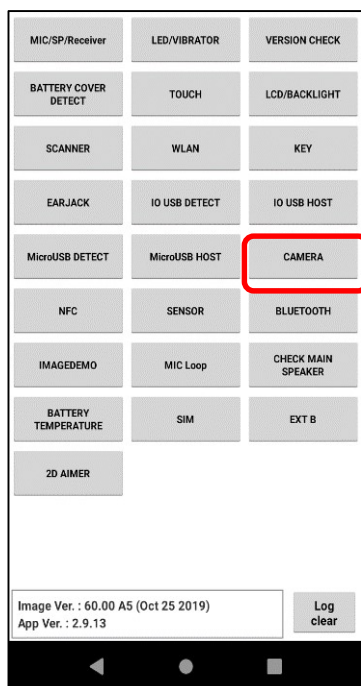
System configuration



Changing from red to green when connected to USB memory

Click [Success] if the test result is satisfactory.

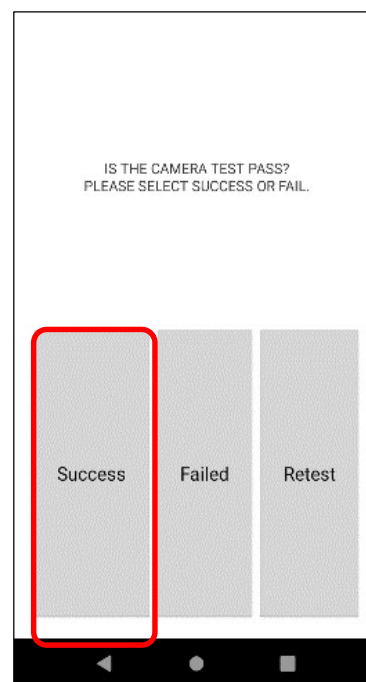
## ■ CAMERA



The image taken by the camera is displayed

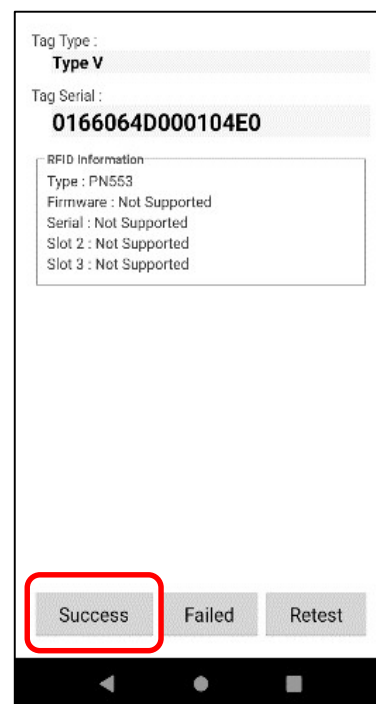
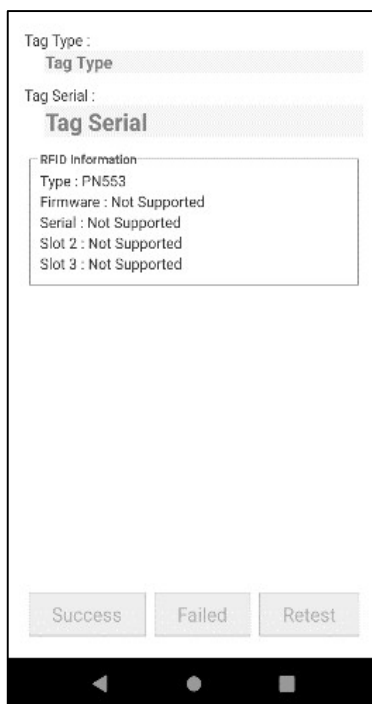
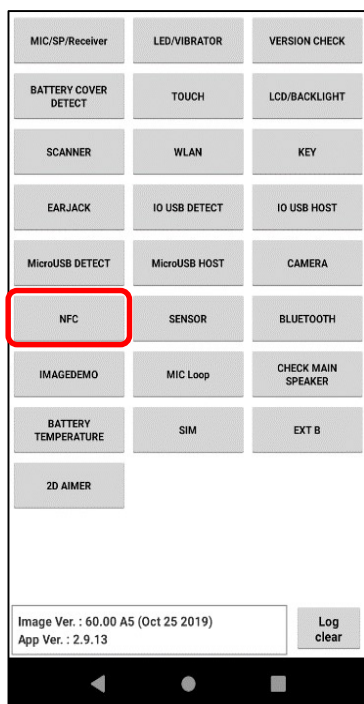


The camera flash can be turned off / on



Click [Success] if the test result is satisfactory.

## ■ NFC



Contact the “NFC Test card” near scanner(NFC Antenna).

Click [Success] if the test result is satisfactory.

## ■ SENSOR



### ACCEL(accelerometer)

⇒ Shake the product up / down / left / right

### MAGNETIC(geomagnetic sensor)

⇒ Will be confirmed automatically

### GYRO(gyro sensor)

⇒ Shake the product up / down / left / right

### LIGHT(illuminance sensor)

⇒ Cover the top of the product

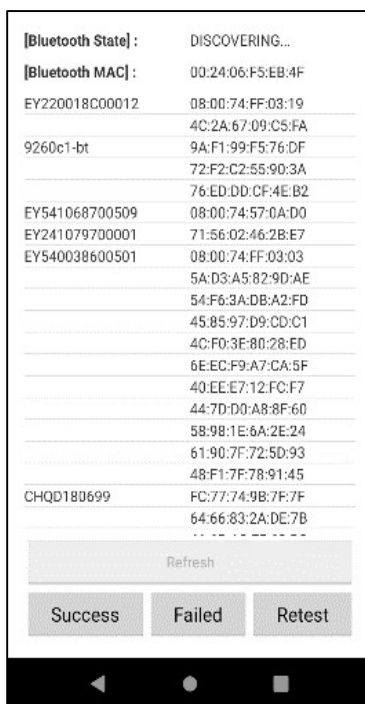
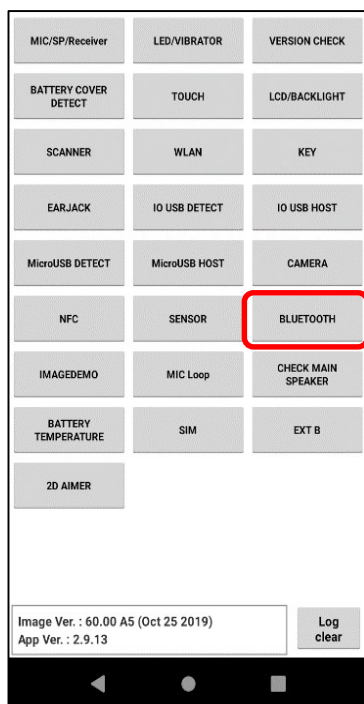
Shine strong light on the top of the product

### PROXI(Proximity Sensor)

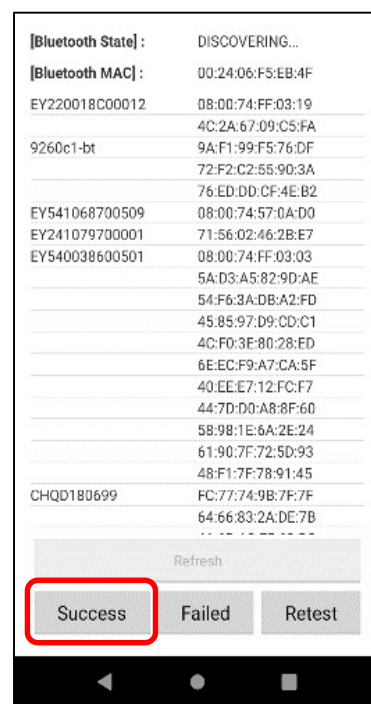
⇒ Cover the top of the product

Click [Success] if the test result is satisfactory.

## ■ BLUETOOTH



The connection destination is displayed



Click [Success] if the test result is satisfactory.

## ■ WAN

---

Please confirm that the content of the SIM card is displayed.  
It will pass if the contents are displayed.



## 6. Checking The Default Settings (When the main PCB is replaced)

### 6-1. UPDATING OS

After repairing, the OS should be updated to the latest version of the terminal currently shipped to the market. The latest OS file can be downloaded from the following URL.

[https://dealer.casio.jp/system\\_en/pa/PADealer/support\\_soft\\_form.php?CLASS=Software&ID=IT-G600](https://dealer.casio.jp/system_en/pa/PADealer/support_soft_form.php?CLASS=Software&ID=IT-G600)

#### (1) Preparation of OS image file

Install the microSD card in which the OS update image file is written in IT-G600.

#### (2) OS update operation

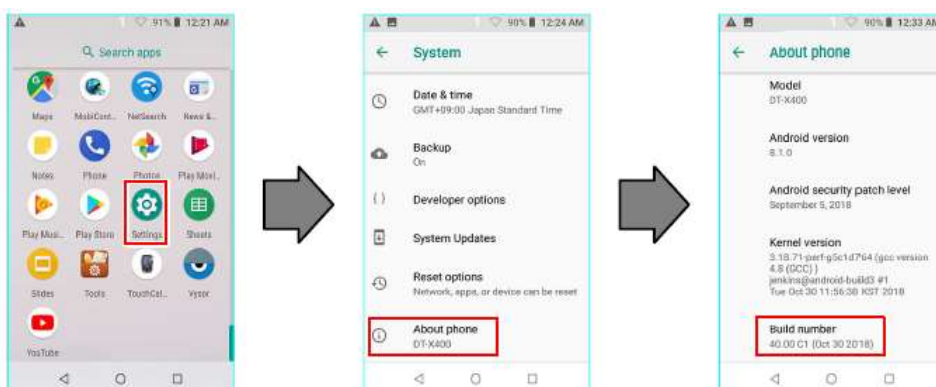
Run “Settings” and start the OS update operation as follows.



#### (3) Checking for OS update

Check the OS version by selecting “Settings” “About phone” “Build number” in that order.

(See the following figures.)





## 7. Initializing the Device

