

Blue MLC Test Manual

(Water Resistance Tester)

June, 2014

HHP Global CS team

Revision History

Date	Rev	Comments	Page
2014.06.26	1.0	- Initial version	

Notice

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2. Blue MLC Test Guide

3. PC Program Guide

1. Pre-requisite

Weight



Support pad



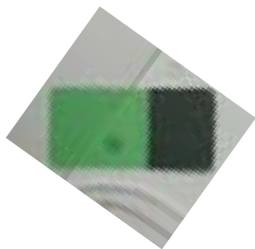
Blue MLC



BT Dongle



Hole sealing tape



BT Dongle pgm

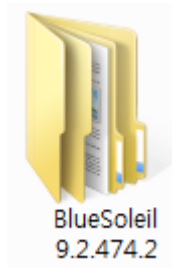


2. Blue MLC Test Guide

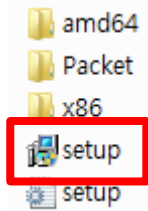
■ BlueSoleil (BT Dongle program) Install



1. Unzip the BlueSoleil_9.2.474.2.zip file.
(Download: GSPN → Knowledge → HHP svc → Notice
→ Water Resistance Tester(Blue-MLC) Guide)



2. Find a folder to install BT Dongle execution program.



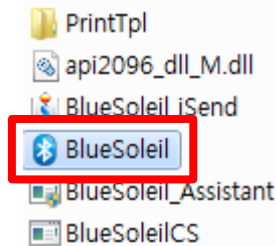
3. Run setup.exe and install BlueSoleil in the PC.

2. Blue MLC Test Guide

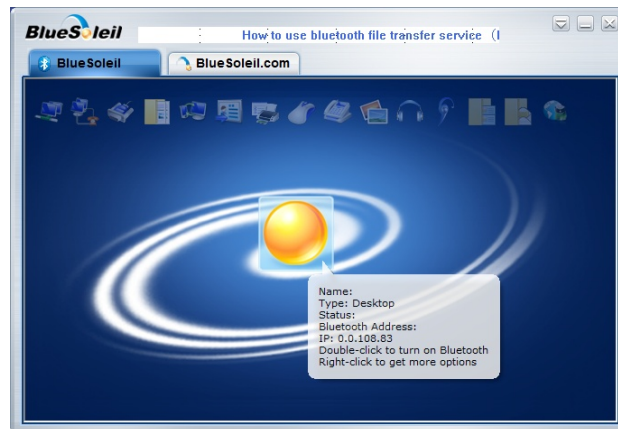
■ BlueSoleil Execution



1. Connect BT Dongle to USB port of PC.
BT Comport will be installed automatically.

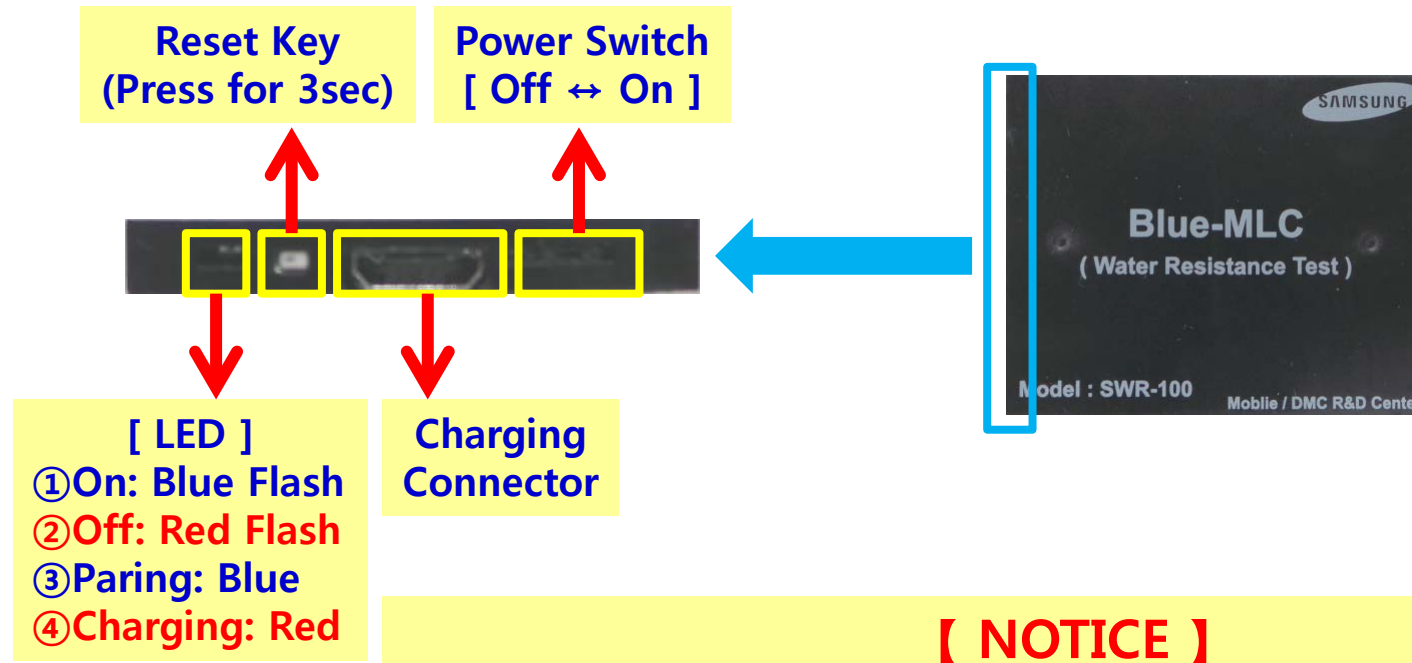


2. Run BlueSoleil.exe(Refer to the default address below).
[C:\Program Files\WIT Corporation\BlueSoleil]



2. Blue MLC Test Guide

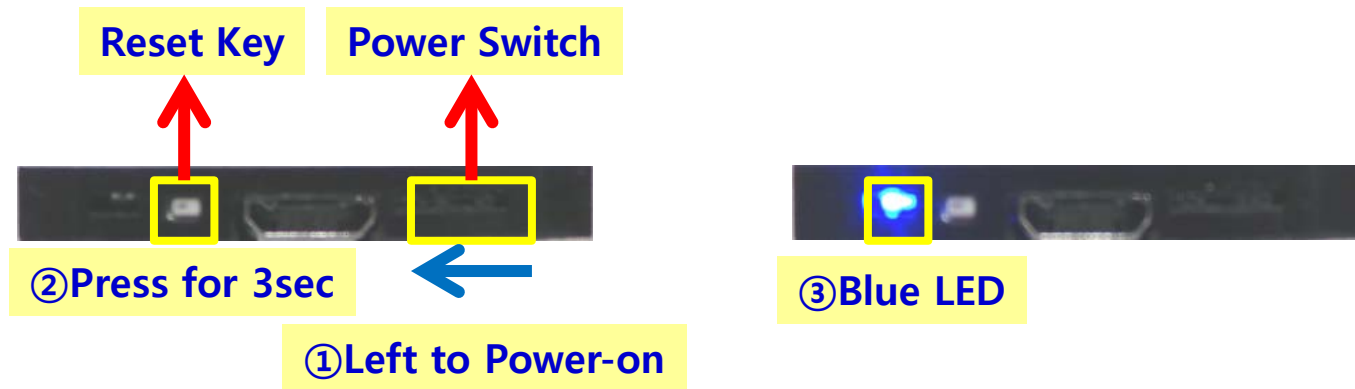
■ Composition of Blue MLC



1. Blue MLC can be used for about 15 hours for test and 350 hours for standby.
Sensor off when you do not use it. (Do not have to Power off)
2. Blue MLC can be charged with micro USB 5pin cable charger.
(Same as normal Samsung mobile phones)
3. It takes normally 2 hours to charge Blue MLC.
(From discharge to charge completely)

2. Blue MLC Test Guide

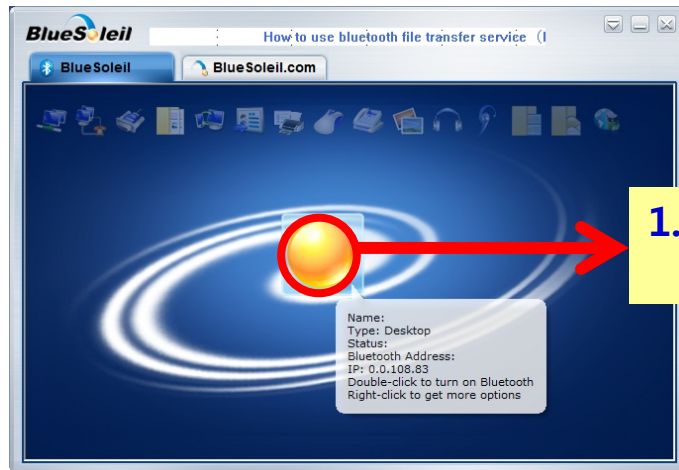
■ Power on and Pairing standby



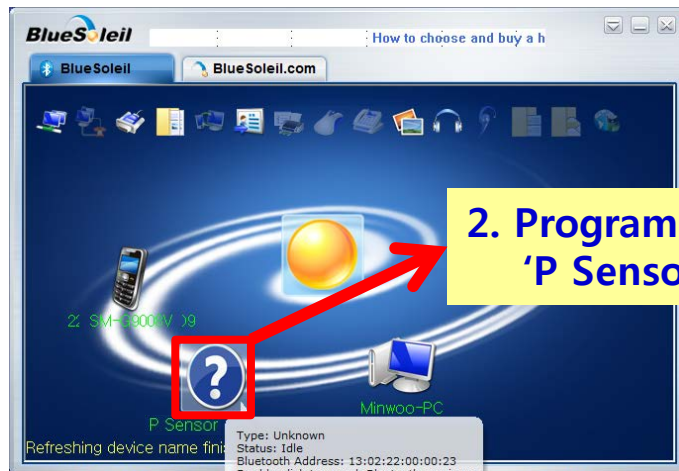
1. Power on by Power switch turning left.
2. Press Reset key for 3 seconds to newly pair with PC.
3. Blue LED will turn on constantly for pairing standby.

2. Blue MLC Test Guide

■ Pairing Blue MLC with PC via BT Dongle



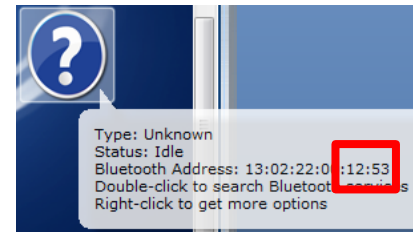
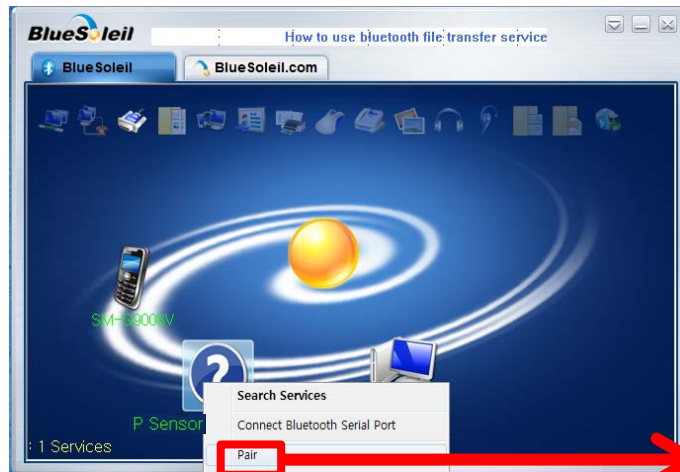
1. Double click on the yellow circle in the middle to turn on the Bluetooth Dongle.



2. Program will find all Bluetooth devices around the PC. 'P Sensor' indicates Blue MLC.

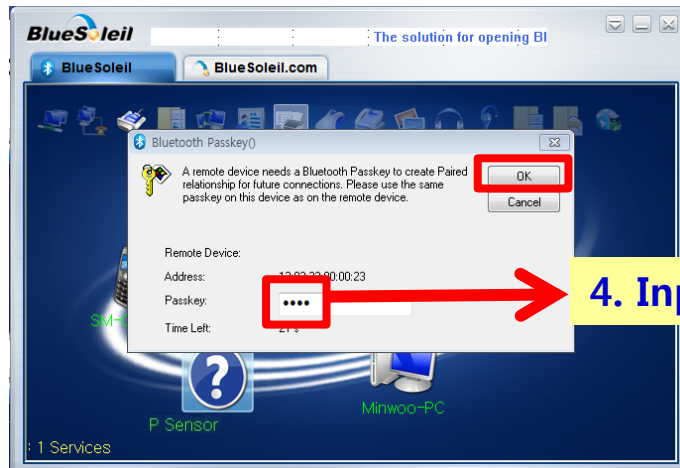
2. Blue MLC Test Guide

■ Pairing Blue MLC with PC via BT Dongle



※ The 4 numbers on the Blue MLC indicate the last 4 numbers of BT Address.

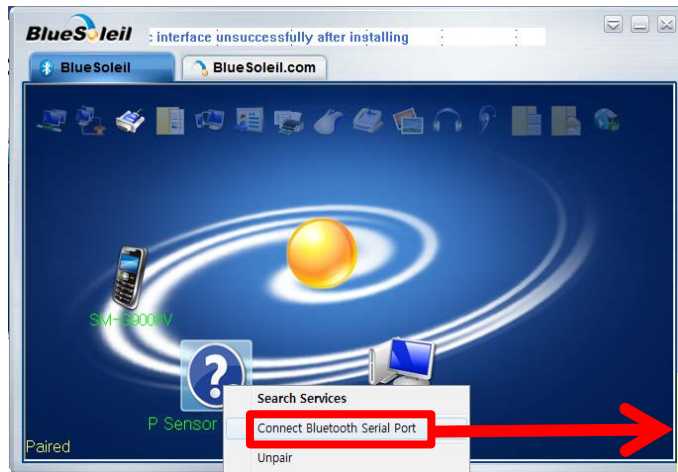
3. Click the mouse right button on the P sensor and select 'Pair' to pair with Blue MLC.



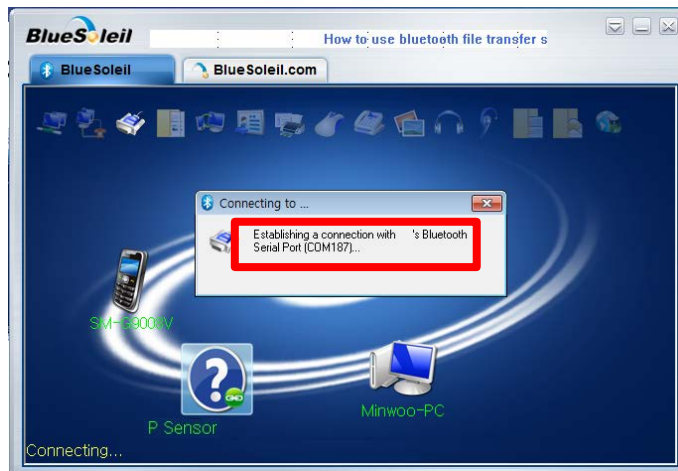
4. Input '0000' in the Passkey space and click OK.

2. Blue MLC Test Guide

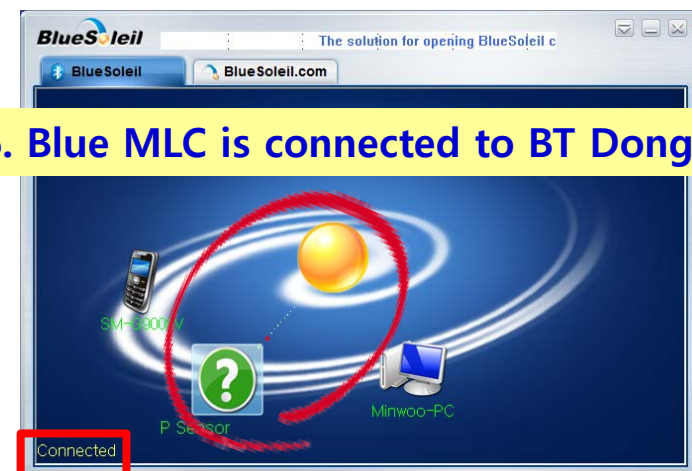
■ Pairing Blue MLC with PC via BT Dongle



5. Click the mouse right button on the P sensor and select 'Connect Bluetooth Serial Port'.

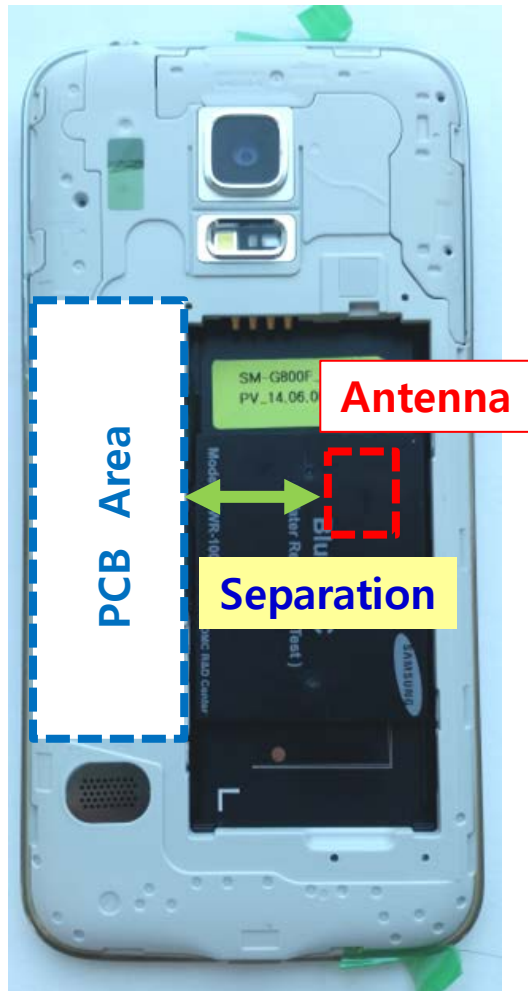


6. Blue MLC is connected to BT Dongle.



2. Blue MLC Test Guide

■ Place Blue MLC on the battery part



[Important]

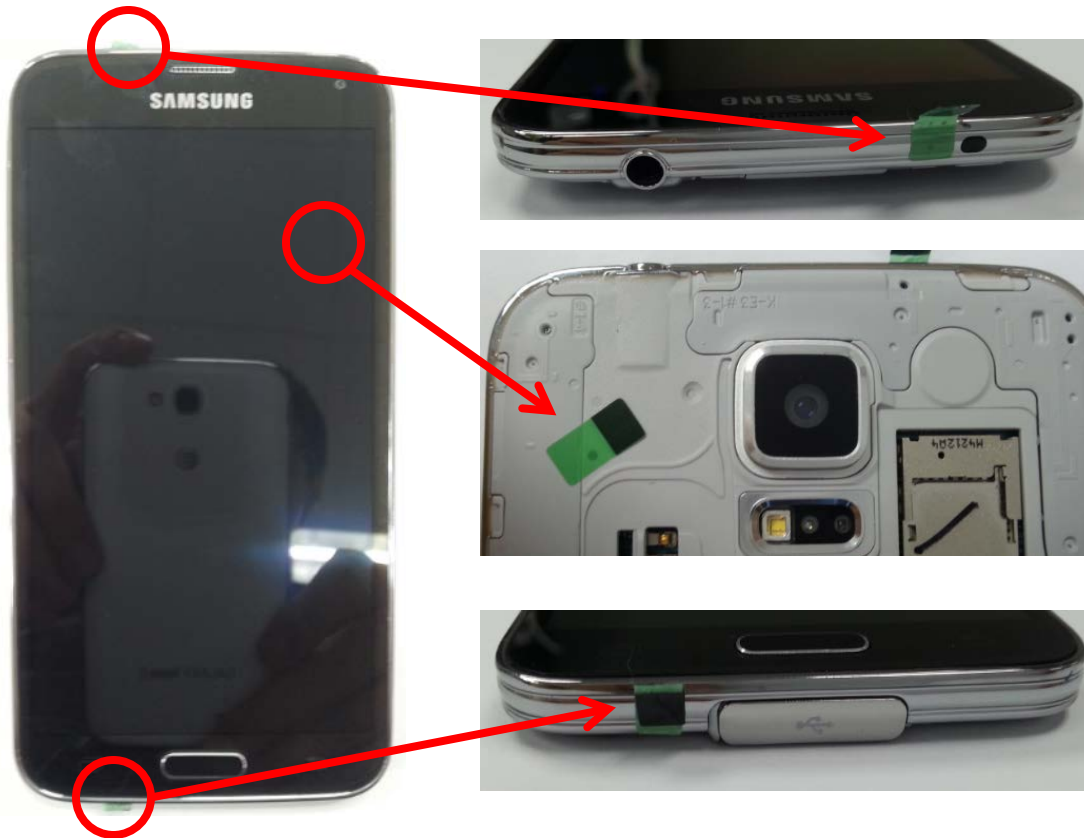
Bluetooth Antenna in Blue MLC is required to a certain distance from PCB area in the mobile phone.

- Place on the print side facing up on the battery part.
- BT Antenna in Blue MLC(Red box) should be located on the right side as shown left.

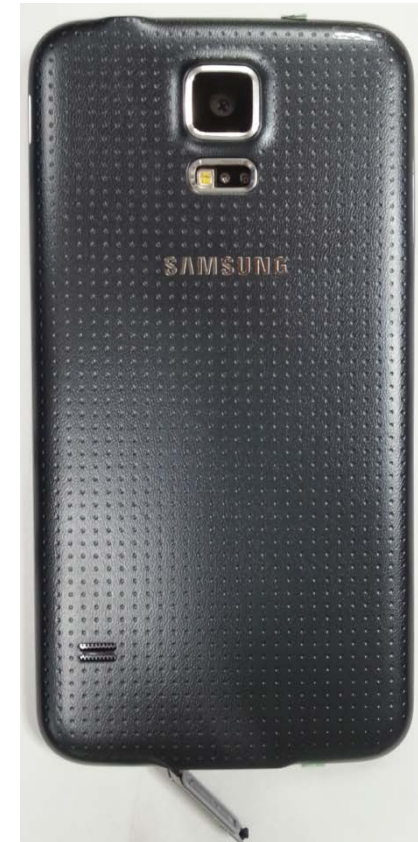


2. Blue MLC Test Guide

■ Preparation of mobile phone



1. Cover the 2 Mic holes and 1 Air hole before Test.

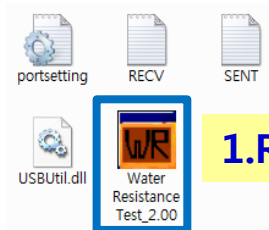


2. Assemble battery cover.

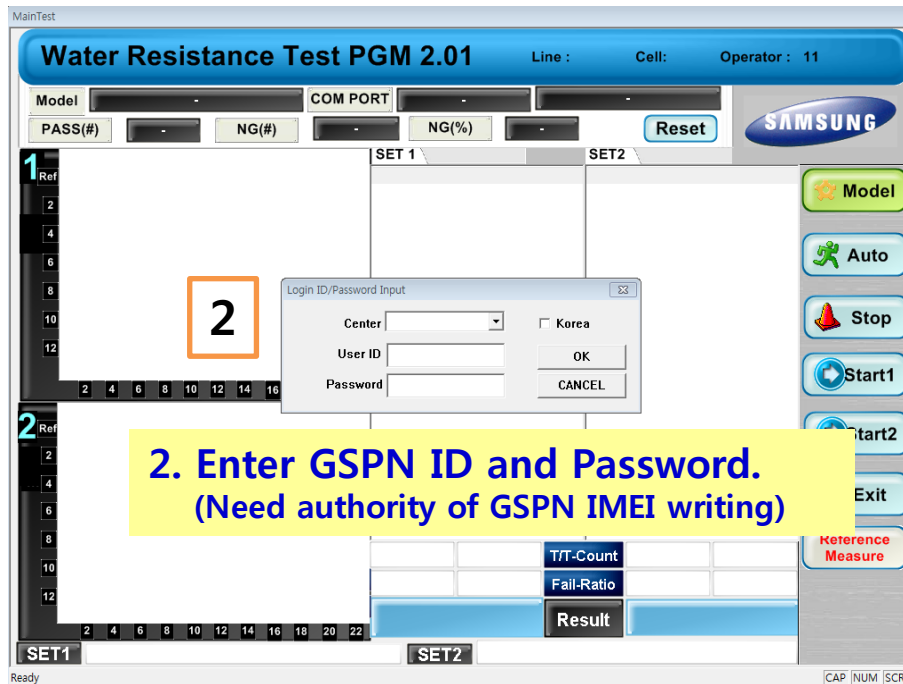
3. PC Program Guide

Run Program

1



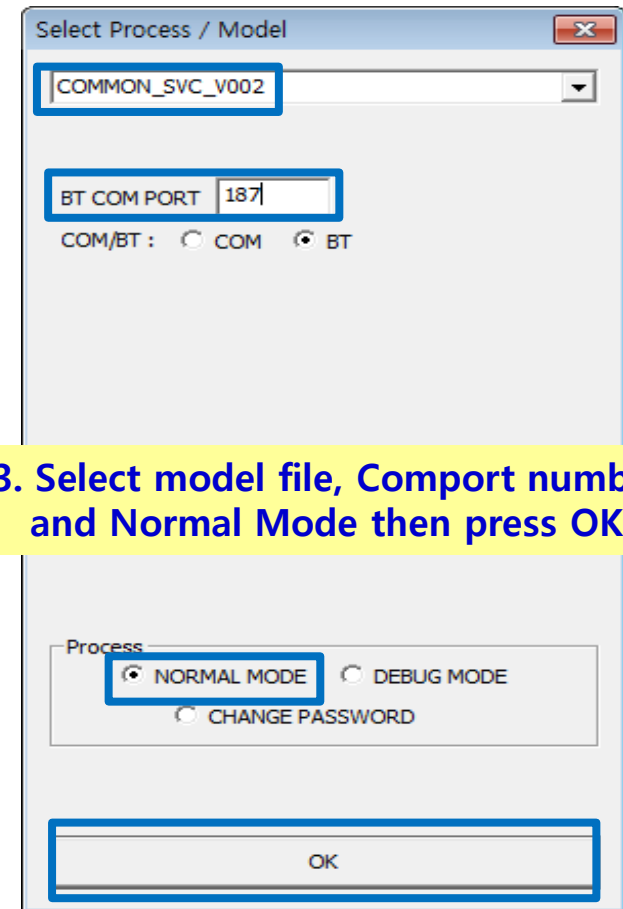
1.Run Water Resistance Test_2.01 file.



2

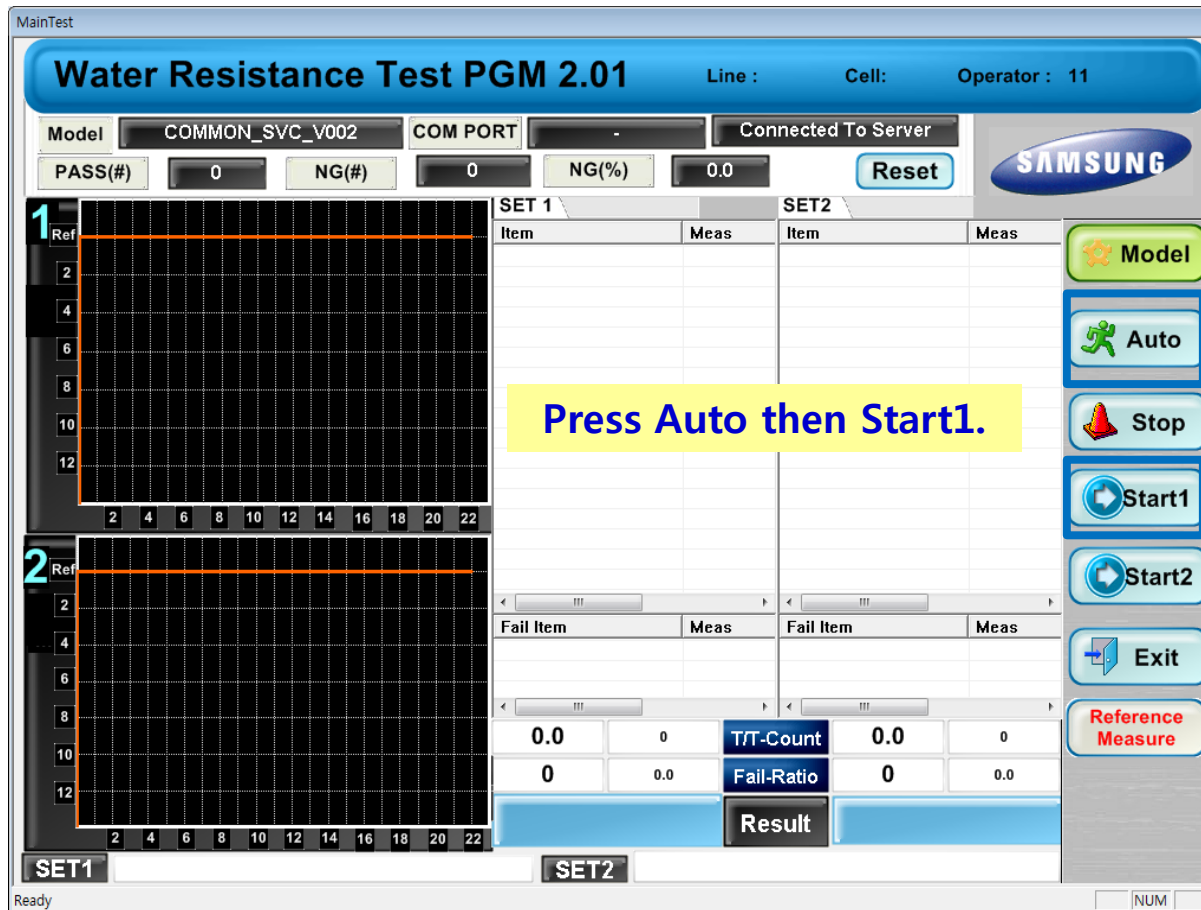
2. Enter GSPN ID and Password.
(Need authority of GSPN IMEI writing)

3



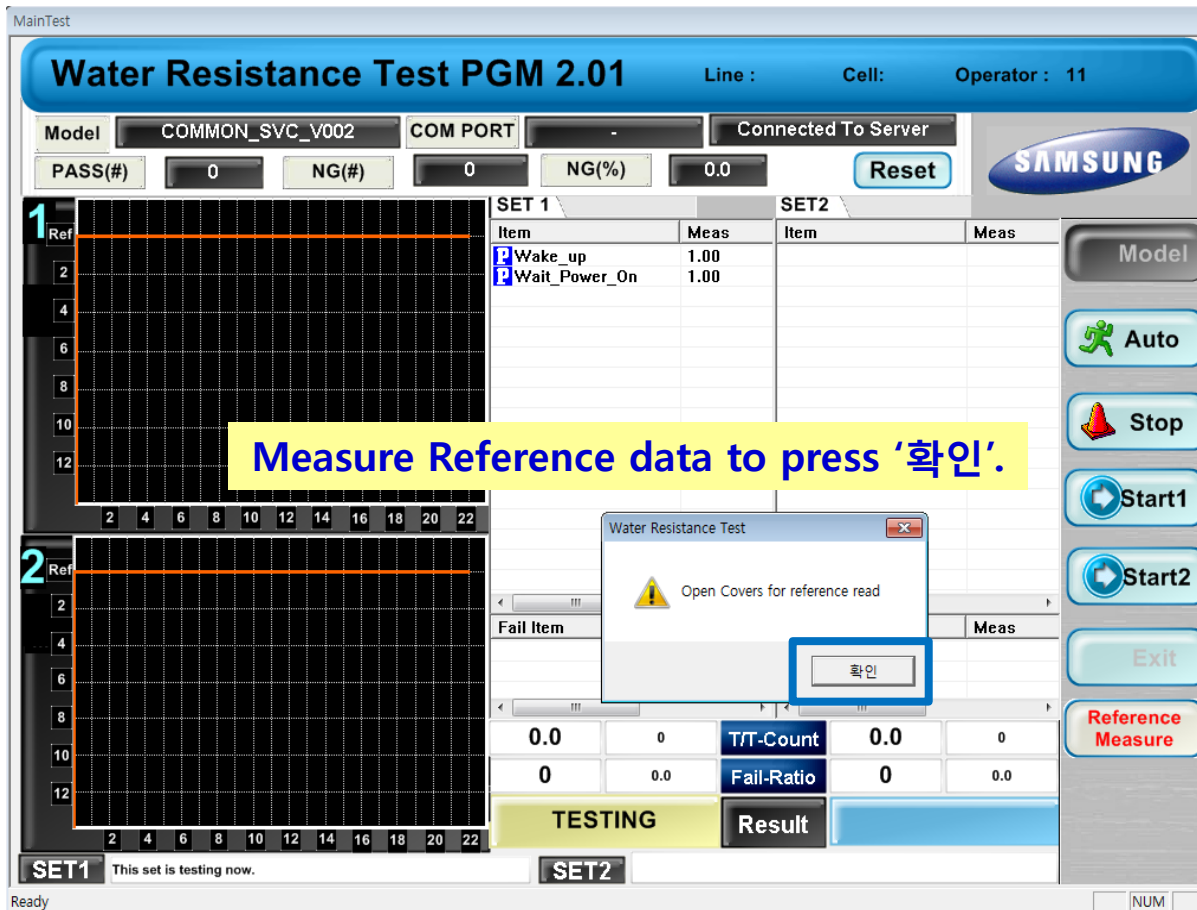
3. Select model file, Comport number and Normal Mode then press OK.

■ START Program



3. PC Program Guide

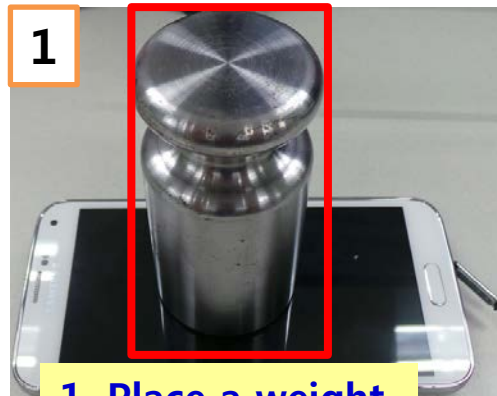
■ Measurement Reference data



Stay open IF Cover

3. PC Program Guide

■ Measure Leakage of device - 1



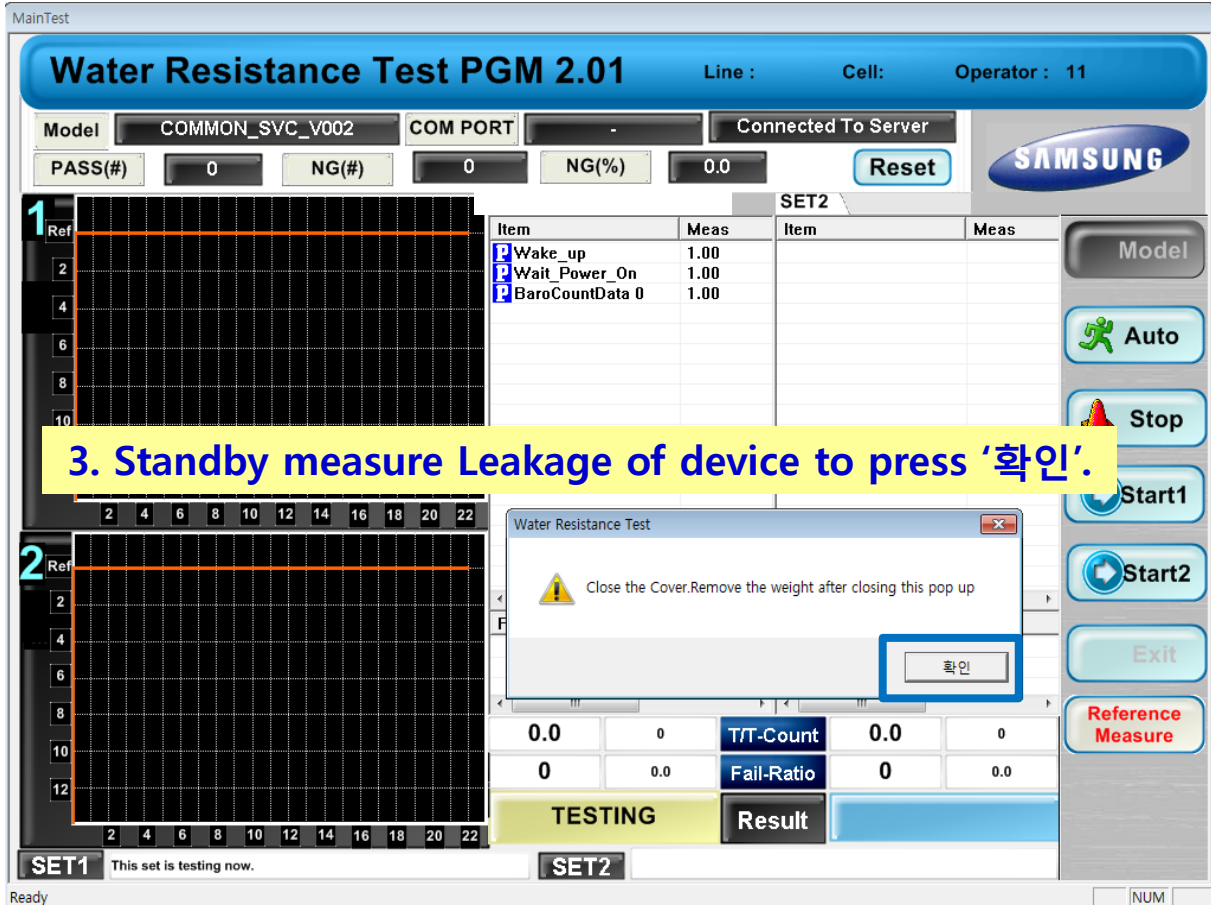
1. Place a weight.



2. Close IF Cover.

3

3. Standby measure Leakage of device to press '확인'.



MainTest

Water Resistance Test PGM 2.01

Line : Cell: Operator : 11

Model: COMMON_SVC_V002 COM PORT: - Connected To Server

PASS(#) 0 NG(#) 0 NG(%) 0.0 Reset

SAMSUNG

SET2

Item	Meas	Item	Meas
P Wake_up	1.00		
P Wait_Power_On	1.00		
P BaroCountData 0	1.00		

Water Resistance Test

Close the Cover. Remove the weight after closing this pop up

확인

0.0 0 T/T-Count 0.0 0

0 0.0 Fail-Ratio 0 0.0

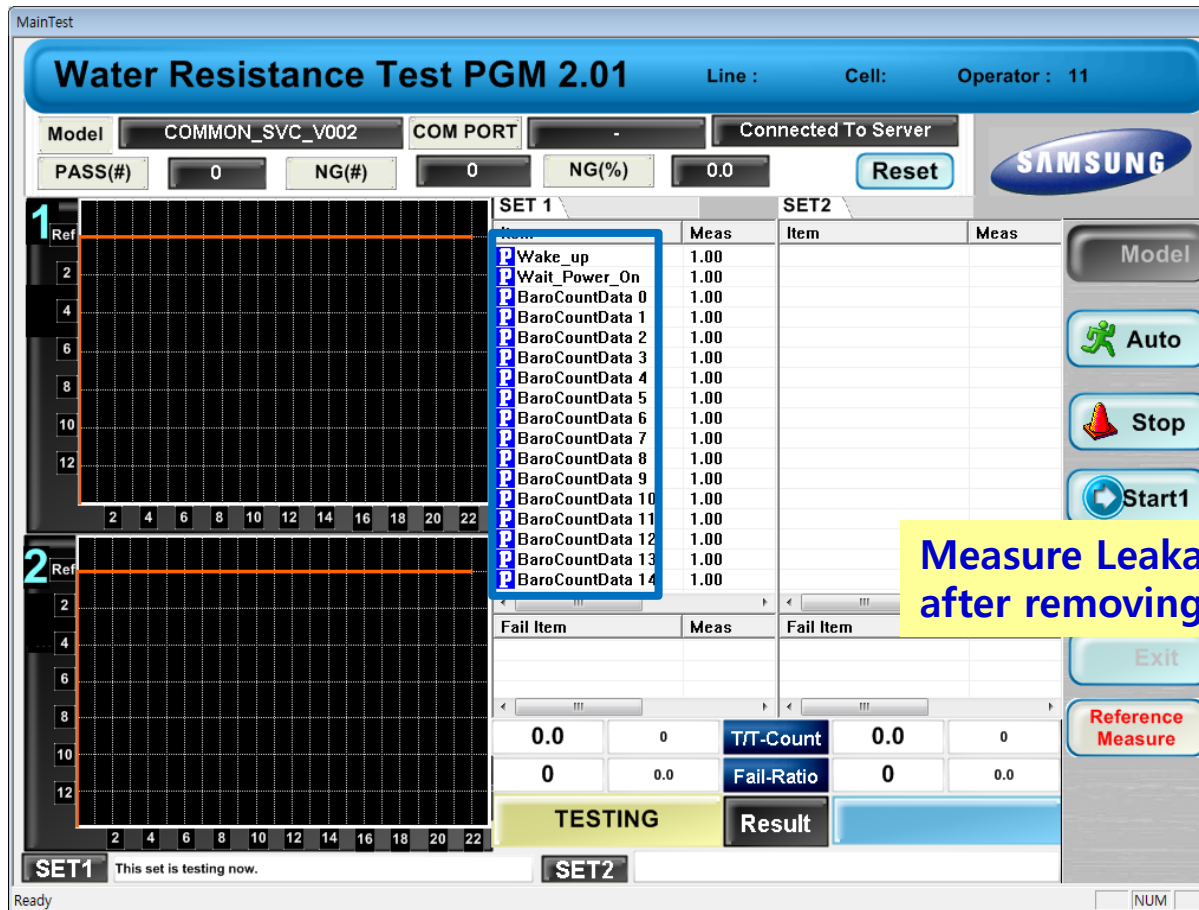
TESTING Result

SET1 This set is testing now. SET2

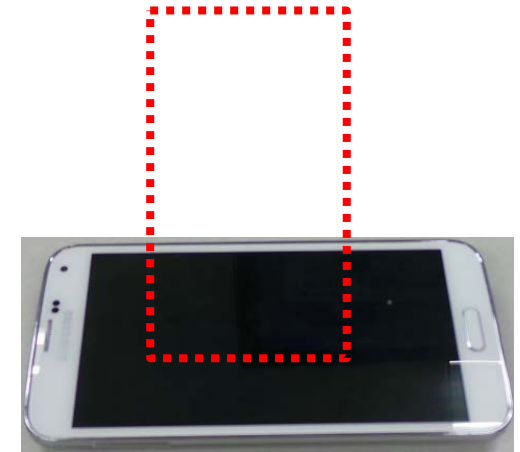
Ready NUM

3. PC Program Guide

■ Measure Leakage of device - 2

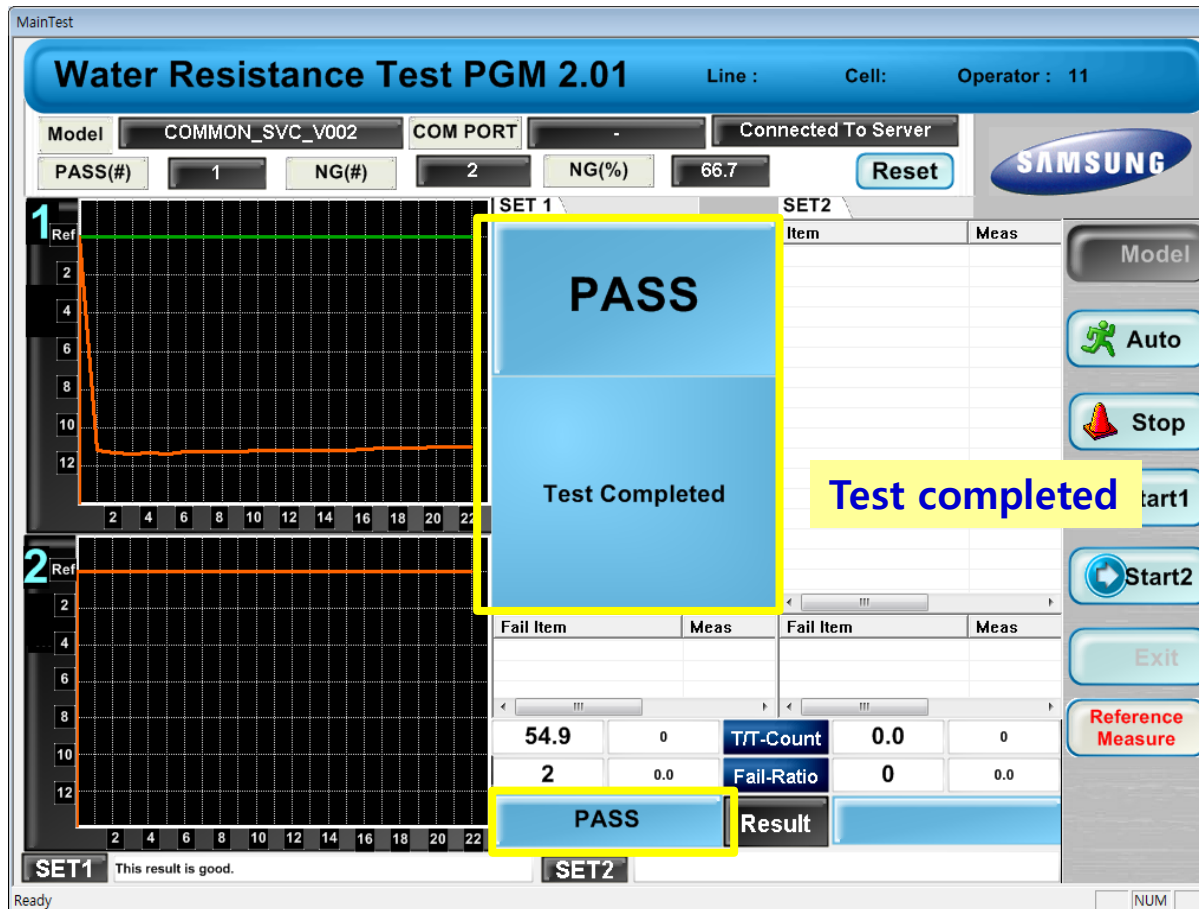


Measure Leakage of device
after removing a weight for 20 seconds.



3. PC Program Guide

■ Test Completed



3. PC Program Guide

■ Result

PASS	FAIL		
PASS Test Completed	FAIL Leakage Founded3 Check Assembly	FAIL Opened Check Covers	FAIL Communication Error Check cable or contact
OK	Check Assembly (Small Leakage)	Check Covers or completely FAIL (Large Leakage)	Need to test again