**How to Run UiAutomator Test Cases (iM9868)**

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**Running condition:**

1. You need to copy uitest.jar to /data/local/tmp folder on EVB.

2. Set system language as English.

3. You can execute all cases via both USB and UART ports.

4. Before running test cases, you should carefully read this document for parameters settings.

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**TestCase-1** (CLASS: com.infomax.uitest.app\_launching\_from\_gridview):

--- Description: Launch all system build-in apps one by one via gridview.

--- Precondition: None.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -c com.infomax.uitest.app\_launching\_from\_gridview

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default value is **1000**.

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**TestCase-2** (CLASS: com.infomax.uitest.app\_launching\_from\_recent\_list):

--- Description: Randomly select and launch apps from recent app list.

--- Precondition: Before running the case, make sure TestCase-3 had been executed already.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -c com.infomax.uitest.app\_launching\_from\_recent\_list

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default value is **1000**.

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**TestCase-3** (CLASS: com.infomax.uitest.camera\_camcorder\_switch):

--- Description: Consecutively switch between camera and camcorder.

--- Precondition: Camera and camcorder can work well.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -c com.infomax.uitest.camera\_camcorder\_switch

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default value is **600**.

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**TestCase-4** (CLASS: com.infomax.uitest.capture\_pic):

--- Description: Consecutively capture pictures via camera.

--- Precondition: Camera can work well.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -c com.infomax.uitest.capture\_pic

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default value is **2000**.

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**TestCase-5** (CLASS: com.infomax.uitest.fmradio\_switch):

--- Description: Consecutively turn on/off FM radio.

--- Precondition: FM radio can work well. (Need to plug in headset)

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -c com.infomax.uitest.fmradio\_switch

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default value is **300**.

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**TestCase-6** (CLASS: com.infomax.uitest.frontrear\_camera\_switch):

--- Description: Consecutively switch between front/rear camera.

--- Precondition: Front & rear camera can work well.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -c com.infomax.uitest.frontrear\_camera\_switch

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default value is **600**.

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**TestCase-7** (CLASS: com.infomax.uitest.psreboot):(\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*TBD\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*)

--- Description: Consecutively trigger PS reboot under EM mode.

--- Precondition: TBD.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -c com.infomax.uitest.psreboot

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default value is **TBD**.

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**TestCase-8** (CLASS: com.infomax.uitest.bt\_onoff):

--- Description: Consecutively turn on/off bluetooth.

--- Precondition: Bluetooth can work well.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -e interval 30 -c com.infomax.uitest.bt\_onoff

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default value is **300**.

-e interval [sec] --sec: to set cycle number for the testing. Default value is **20.**

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**TestCase-9** (CLASS: com.infomax.uitest.wifi\_onoff):

--- Description: Consecutively turn on/off Wi-Fi.

--- Precondition: Wi-Fi can work well.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -e interval 30 -c com.infomax.uitest.wifi\_onoff

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default value is **300**.

-e interval [sec] --sec: to set cycle number for the testing. Default value is **20.**

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**TestCase-10** (CLASS: com.infomax.uitest.wifi\_bt\_onoff):

--- Description: Alternatively turn on/off Wi-Fi & bluetooth.

--- Precondition: Wi-Fi & Bluetooth can work well.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -e interval 30 -c com.infomax.uitest.wifi\_bt\_onoff

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default value is **300**.

-e interval [sec] --sec: to set cycle number for the testing. Default value is **20.**

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**TestCase-11** (CLASS: com.infomax.uitest.flight\_mode\_onoff):

--- Description: Consecutively turn on/off flight mode.

--- Precondition: Flight mode can work well.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -e interval 30 -c com.infomax.uitest.flight\_mode\_onoff

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default value is **300**.

-e interval [sec] --sec: to set cycle number for the testing. Default value is **20.**

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**TestCase-12** (CLASS: com.infomax.uitest.gprs\_onoff):

--- Description: Consecutively turn on/off GPRS data connection.

--- Precondition: GPRS could be normally enabled/disabled.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -e interval 30 -c com.infomax.uitest.gprs\_onoff

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default value is **300**.

-e interval [sec] --sec: to set cycle number for the testing. Default value is **20.**

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**TestCase-13** (CLASS: com.infomax.uitest.clock\_add):

--- Description: Add massive alarm clocks in 'Deskclock'.

--- Precondition: Remove all alarm clock items before script running.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -c com.infomax.uitest.clock\_add

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default number is **300**.

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**TestCase-14** (CLASS: com.infomax.uitest.clock\_delete):

--- Description: Remove all alarm clock items from 'Deskclock'.

--- Precondition: Before running the case, make sure TestCase-15 had been executed already.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -c com.infomax.uitest.clock\_delete

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default value is **300**.

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**TestCase-15** (CLASS: com.infomax.uitest.contact\_add):

--- Description: Create massive entries in contacts.

--- Precondition: Set default input method, and remove snyc account of system.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -c com.infomax.uitest.contact\_add

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default number is **1000**.

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**TestCase-16** (CLASS: com.infomax.uitest.contact\_delete):

--- Description: Remove all entries in 'Contacts'.

--- Precondition: Before running the case, make sure TestCase-17 had been executed already.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -c com.infomax.uitest.contact\_delete

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default value is **1000**.

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**TestCase-17** (CLASS: com.infomax.uitest.timer\_add):

--- Description: Created massive entries in timer.

--- Precondition: Remove all timer records.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -c com.infomax.uitest.timer\_add

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default number is **300**.

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**TestCase-18** (CLASS: com.infomax.uitest.timer\_delete):

--- Description: Remove all entries in timer.

--- Precondition: Before running the case, make sure TestCase-19 had been executed already.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -c com.infomax.uitest.timer\_delete

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default value is **300**.

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**TestCase-19** (CLASS: com.infomax.uitest.edit\_message):

--- Description: Consecutively create message as draft.

--- Precondition: None.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -c com.infomax.uitest.edit\_message

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default number is **1000**.

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**TestCase-20** (CLASS: com.infomax.uitest.send\_message):

--- Description: Consecutively send 100 message to a phone number.

--- Precondition: Insert SIM card and keep contacts list is empty.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -e phone 13849554384 -c com.infomax.uitest.send\_message

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default value is **100**.

-e phone [phone\_num] --phone\_num: to set cycle number for the testing. Default value is“**15962195980**”.

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**TestCase-21** (CLASS: com.infomax.uitest.delete\_message):

--- Description: Consecutively Delete 1000 message in message thread list.

--- Precondition: Before running the case, make sure TestCase-21 had been executed already.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -c com.infomax.uitest.delete\_message

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default value is **1000**.

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**TestCase-22** (CLASS: com.infomax.uitest.mo\_call):

--- Description: Consecutively make 1000 mocall to a phone number.

--- Precondition: None.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -e phone 13884394836 -c com.infomax.uitest.mo\_call

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default value is **1000**.

-e phone [number] --number: to set a phone number for the testing. Default number is "**10086**".

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**TestCase-23** (CLASS: com.infomax.uitest.screen\_unlock\_password):

--- Description: Unlock screen by password.

--- Precondition: None.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -e password infomax -c com.infomax.uitest.screen\_unlock\_password

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default number is **600**.

-e password [password\_string] –password: set a 4 bit password with at least one letter. Default string is "**qwerty**".

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**TestCase-24** (CLASS: com.infomax.uitest.screen\_unlock\_pin):

--- Description: Unlock screen by pin code.

--- Precondition: None.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -c com.infomax.uitest.screen\_unlock\_pin

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default number is **600**.

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**TestCase-25** (CLASS: com.infomax.uitest.screen\_unlock\_slide):

--- Description: Unlock screen by sliding on panel.

--- Precondition: None.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -c com.infomax.uitest.screen\_unlock\_slide

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default number is **600**.

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**TestCase-26** (CLASS: com.infomax.uitest.screen\_unlock\_pattern):

--- Description: Unlock screen by pattern.

--- Precondition: None.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -e lockseq 012345678 -c com.infomax.uitest.screen\_unlock\_pattern

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default number is **600**.

-e lockseq [number string] --number string: set a number string (max 9 bits & 0~8 digital) to define lock pattern.

Default string is “0124678”. (Refer to below diagram to set pattern)

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**TestCase-27** (CLASS: com.infomax.uitest.lcd\_onoff):

--- Description: Consecutively turn on/off LCD backlight.

--- Precondition: None.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -e interval 10 -c com.infomax.uitest.lcd\_onoff

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default number is **1000**.

-e interval [sec] --sec: to set cycle number for the testing. Default value is **5.**

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**TestCase-28** (CLASS: com.infomax.uitest.adjust\_backlight):

--- Description: Consecutively adjust LCM backlight level.

--- Precondition: None.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -c com.infomax.uitest.adjust\_backlight

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default number is **1000**.

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**TestCase-29** (CLASS: com.infomax.uitest.web\_browsing):

--- Description: Randomly select a bookmark to make browsing.

--- Precondition: Make sure GPRS/EDGE/Wi-Fi data connection is ok.

--- **Command**: # uiautomator runtest uitest.jar -e loop 5 -c com.infomax.uitest.web\_browsing

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default number is **600**.

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**TestCase-30** (CLASS: com.infomax.uitest.wifi\_hotspot\_onoff):

--- Description: Consecutively turn on/off Wi-Fi hotspot.

--- Precondition: Wi-Fi hotspot can work well.

--- **Command**: # uiautomator runtest uitest.jar -e loop 10 -c com.infomax.uitest.wifi\_hotspot\_onoff

--- Parameters:

-e loop [count] --count: to set cycle number for the testing. Default number is **600**.

-e interval [sec] --sec: to set cycle number for the testing. Default value is **20.**

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**TestCase-31** (CLASS: com.infomax.calculatortest.calculatortest):

--- Description: Perform full cycle functionality test for ‘Calculator’.

--- Precondition: Firstly push “ref\_pic” folder to SD card. (# adb push x:\project\_directory\ref\_pic /sdcard/ref\_pic)

--- **Command**: # uiautomator runtest uitest.jar -c com.infomax.calculatortest.calculatortest