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9.14 Sound Recording

Definition of Sound Recording

Type and example of variables used

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10. ACT Setting 30

Setting type and using method

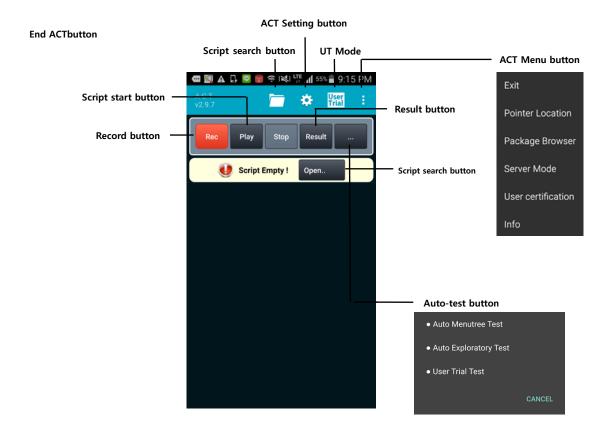


1. Android Control Tester

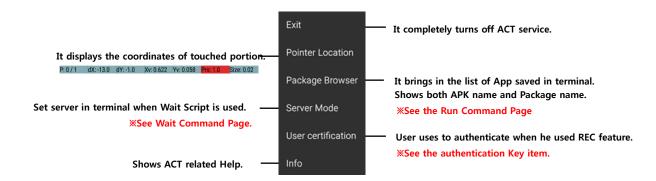
Definition of ACT

This is the tool which enables terminal to execute specific script exclusively. It can be used in several ways by combining various commands and, User's input can be reproduced as it is by recording even without composing a separate script by supporting REC feature.

Composition of ACT2 screen



Composition of ACT2 Menu





2. Sequential (menu tree) exploration test

Definition of sequential exploratory test

It executes the menu and UI Component of the relevant App sequentially. It can execute the menus which is difficult for a person to test all thus supplementing the weakness of being unable to test by irregular exploration test.

Method of sequential exploration test

Auto exploratory test button > Sequence (Menu tree) exploratory test > Add the App you wish > settings > Play .

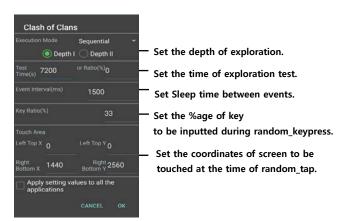
Example

Setting - 1 before the test

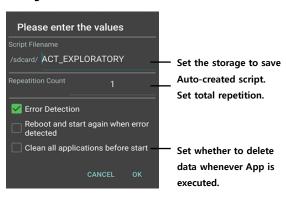


Select the app to be tested. When there are many apps to be tested, Add all > select App > delete When there are less testing apps Add one>select App> confirm

Setting - 2 before the test



Setting - 3 before the test



Result of auto script creation



Script gets autocreated as per the above settings.



3. Non sequential exploratory test

Definition of non-sequential exploratory test

ACT obtains the composition info of the relevant screen automatically and analyses it and, touch by selecting randomly. Executes one of the Key-event randomly from back, menu, volume_up, volume_down after touching and, after that it also scrolls in the screen having list. It can detect issues in various scenarios unlike the sequential test.

Method to execute non-sequential exploratory test

Auto exploration test button > Non-sequential exploration test > Add the desired App > settings > Play .

Example

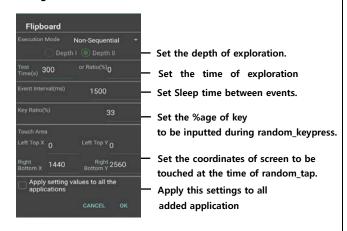
Setting - 1 before the test



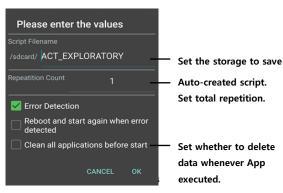
Select the app to be tested. When there are many testing Apps, Add all> select App>delete When there is less testing

Add one>select App>confirm

Setting - 2 before the test



Setting – 3 before the test



Result of auto-script creation





4. Authentication Key

Definition of authentication Key

When the user uses 'REC' feature in ACT2, a personal authentication key is needed which is made by combining employee number and name to prevent the leakage of personal info and that of ACT Tool. These are kind of file with pki extension.

Key obtaining method

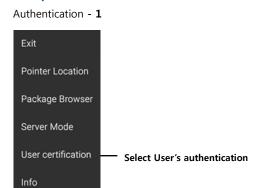
While preparing a site to issue key,

(It can be issues when requested by/as swgo.choi@samsung.com, s-r.choi@samsung.com temporarily.)

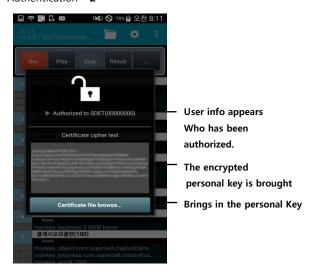
Key authentication method

Save the issued authentication Key in terminal before using Rec feature.

Example



Authentication - 2



Authentication - 3





5. Recording

Definition of recording

Recording feature is supported in ACT2. ACT records the motion of user and makes into script. The made script can be played again. Key authentication has to be done already to use REC feature. You can terminate by 'Shake Motion' (shaking the terminal 3~4 times strongly) while recording according to 'ACT Setting'.

Recording

Start recording



If you start recording after authentication, the following setting screen appears. You can added in currently saved file and setting of path etc. can be selected.

Single T

It creates the script of format like the previous ACT1. 'Multi Touch' can't be used.

Basic MT

Supports 'Multi Touch' and, creates the coordinates-based script.

Full MT

Supports Multi Touch and, creates coordinates-based script.

X Script created by recorded option – start REC > select Message

Object

Home touch up 8 1292 touch down 761 2334 12 touch move 761 2334 36 touch move 761 2334

Full MT

12 touch up 761 2334

```
# Home
mtouch 0 1 [ 0 767 2361 s=0.0314 mj=8 ]
72 mtouch 2 1 [ 0 767 2360 s=0.0314 mj=8 ]
85 mtouch 2 1 [ 0 767 2361 s=0.0314 mj=8 ]
12 mtouch 2 1 [ 0 767 2362 s=0.0118 mj=3 ]
11 mtouch 1 1 [ 0 767 2362 s=0.0118 mj=3 ]
```

Basic MT

Home
mtouch 0 1 [0 769 2348 s=0.0275]
23 mtouch 2 1 [0 769 2348 s=0.0314]
60 mtouch 2 1 [0 769 2349 s=0.0314]
25 mtouch 2 1 [0 768 2350 s=0.0118]
12 mtouch 1 1 [0 768 2350 s=0.0118]

Creates Object-based script and, supports WaitFor, Click Command.

Object

Home
click t="₩Q메시지₩E"
c=android.widget.TextView
p=com.sec.android.app.launcher
k=y Pc=android.view.View
Ct="₩Q전화₩E"
Cc=android.widget.TextView
Sc=android.view.View
메시지
* run com.android.mms
66 waitfor p=com.android.mms
c=com.android.mms.ui.ConversationComposer



6. Analysis of test result - 1

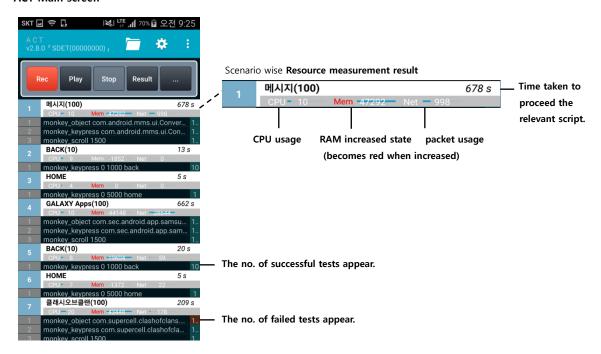
Analysis of test result

If ACT test is ended, **ACT_RESULT.xml** and log are saved in /sdcard/ACT_LOGS folder according to settings of ACT Setting. Scenario-wise **CPU** usage, **Memory** usage, **Network** usage and progress time of the relevant scenario is displayed in **ACT Main**.

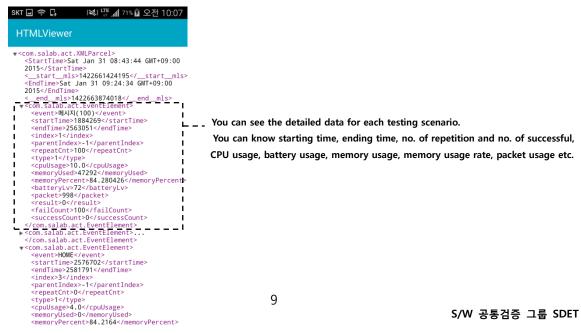
Result > start~end time total progress time, resource-status of entire scenarios are displayed by graph in the test result.

Example

ACT Main screen



ACT_RESULT.xml file

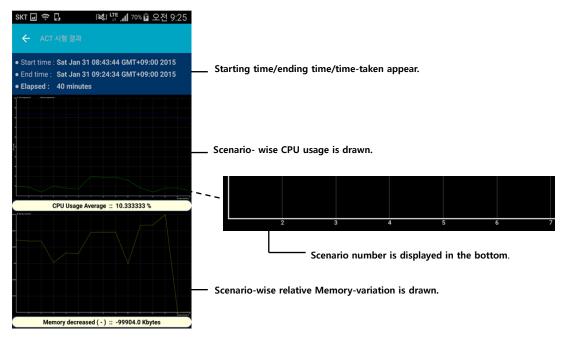




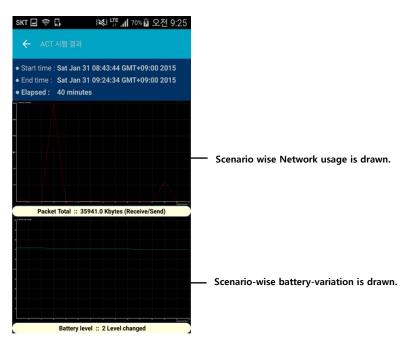
6. Analysis of test result – 2

Example

Execution result screen 1



Execution result screen 2



7. Sending Intent

Definition of Intent sending

You can perform your desired action by sending intent to ACT from other App or adb command. They're load and execute ACT Script, pause during execution, re-execute etc. Both pause and re-execute can be used while recording or running the script.

Intent type

Туре	Intent	Parameter	
	com.salab.act.intent.START_ACT	SCRIPT_FILE or SCRIPT	
Start ACT	ACT is executed if the relevant intent is received and test is started automatically by		
Start ACI	bringing in the script file according to Parameter or that script is executed by inputting		
	the command directly.		
	com.salab.act.intent.PAUSE_ACT		
Pause ACT	ACT gets paused if the relevant intent is received during the execution of ACT (Recording		
	or while running Script)		
	com.salab.act.intent.RESUME_ACT		
Re-execute ACT	When ACT has been paused, it is re-executed from the paused part if the relevant Intent		
	is received.		

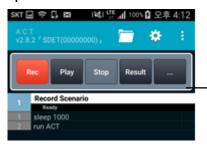
Example

Adb shell command

Adb Command

am broadcast –a com.salab.act.intent.START_ACT –e /storage/emulated/0/ACTScript.txt

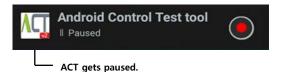
Operation screen



ACT is started and action is in progress by bringing in script file.

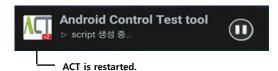
Adb Command

am broadcast –a com.salab.act.intent.PAUSE_ACT



Adb Command

am broadcast –a com.salab.act.intent.RESUME_ACT



S/W 공통검증 그룹 SDET

8. Scenario & Comment and repetition

Definition of Scenario and repetition

is used to separate event-wise scenarios. If **(no. of repetition)** is attached behind scenario, the relevant scenario is repeated as many times as the number inputted. If scenario part is long-pressed in ACT screen, you can perform 'execute only this scenario, execute from this scenario, edit, menu, end'.

If (no. of repetition) is attached behind file, the file is repeated as many times as the number inputted. Ex) Test(100).txt

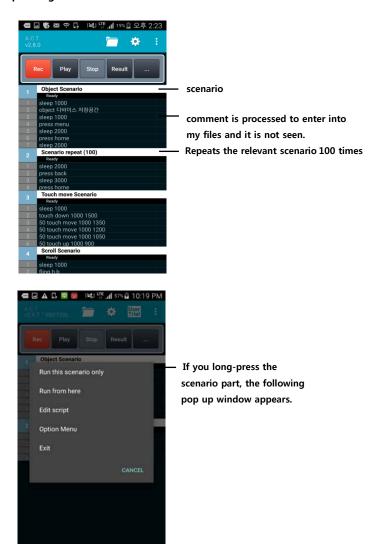
Definition of comment

It is written while processing the comment of script. The script starting with * becomes comment. It is not shown in ACT screen.

Example

Script







9. Command

9.1 Key Event

Definition of Key Event

It makes the key value (Parameter) inputted by the user to appear forcefully in the terminal. In case of doing action like Long press, it sleeps till you press after key down and then you can key up.

Parameter

[Event type Keycode or Keyname]

Input the Keycode(Keyname) which makes event to occur. All Key codes can be checked from 'android site'.

Type of Key event	Parameter	Meaning	
key down	Key Code	Press the inputted key	
key up	Key Code	Leave the inputted key	
press	Key Code	Press and leave the inputted key sequentially.	
type	Text to be inputted	Input the inputted text in terminal.	

Example

Script





9.2 Scroll

Definition of Scroll

It moves the schedule-range of relevant screen up-down or left-right. It scrolls 90% of the entire screen in case of up-down or left-right. There are 2 kinds of Scroll Command – slow scroll and scroll with a bang (fast scrolling) fling.

Parameter

[Horizontal : h Vertical : v] [front : f back : b]

In case of horizontal (h) script, f scrolls from right side to left side and b scrolls from left side to right side. In case of vertical (v) script, f scrolls from bottom to top direction and b scrolls from top to bottom direction.

Example

Script

Scroll Scenario sleep 1000 scroll v f



Slowly scroll the relevant screen from bottom to top.

Scroll Scenario sleep 1000 fling h b



Scroll the relevant screen fastly from left side to right side.



9.3 Touch Event

Definition of Touch Event

It makes the 'Touch' to occur at the position corresponding to coordinates-value(Parameter) inputted by the user. g In case of doing action like Long press, it sleeps till you press after key down and then you can key up.

Parameter

Relevant coordinates **ACT App** > Menu > you can use the coordinates displayed at the top after turning on the pointer display.

Type of Key event	Parameter	Meaning	
touch down	X Y coordinates	Press the inputted coordinates.	
touch up	X Y coordinates	Leave the inputted coordinates.	
Тар	X Y coordinates	Press and leave the inputted coordinates sequentially.	

Example

Script

Touch Scenario sleep 1000 tap 750 1450

Operating screen



It Touch down/up the part corresponding the coordinates inputted in the relevant screen.

Touch move Scenario sleep 1000 touch down 1000 1500 50 touch move 1000 1350 50 touch move 1000 1200 50 touch move 1000 1050 50 touch up 1000 900

****the numbers front of the commands means 'sleep'.**



9.4 Random Event

■ Definition of Random Event

Random Event is provided for the commands which is needed to run randomly among the commands provided in ACT. Especially random_tap and random_keypress are mainly used in non-sequential exploration test of ACT.

Parameter

When Parameter is not inputted, the number to be inputted is also created randomly and gets executed. In case of random_tap, command is executed by setting screen area to the full.

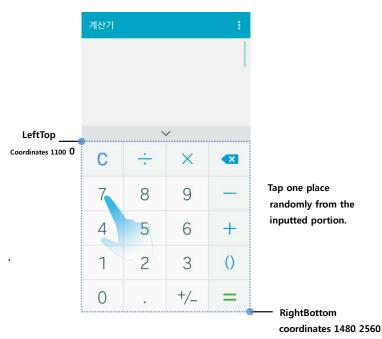
In case of random_keypress, back, menu, volume_up, volume_down are executed randomly.

Send type	Parameter	Meaning
random_text	Number	Input the random text as inputted number in
		terminal.
random_number	Number	Input the random number as inputted number in
		terminal.
random_tap	Tapping area	Random Tap inputted area.
random_keypress	The key you want to	Input the random number inputted Keycodes
	execute randomly	

Example

Script

#Random Event Scenario sleep 1000 random_tap 1100 0 1480 2560



9.5 Object

Definition of Object

Executing the touch action by searching the specific object (Parameter inputted by the user) of the screen without using the coordinates. It can be performed irrespective of User/Eng binary. When it is unable to find the relevant object, it makes to occur 'Object not found' error according to ACT settings and or, moves on to the next script.

Parameter

[object text or id name]

Input text or name of id of object to be touched by searching. It should be inputted exactly as it is shown in the screen (up to the word spacing).

Example

Script

Object Scenario sleep 1000 object device storage

Operating screen



Search the text 'device and click that text.



9.6 Click

Definition of Click

Executing the touch action by searching the specific text (parameter inputted by the user) of the screen without using the coordinates. It can be performed irrespective of User/Eng binary. Unlike the Object, click is possible even when the new line character (\(\psi\nu\n)\) is included and, the desired text can be clicked even when there is case like text according to Parameter.

Parameter

Input the text to be touched by searching.

In case of searching text from 'click Parameter' it starts with [t=]. Also to express the text to be searched, it should be started with " Ψ Q and to inform the ending of searching text, it should be ended by Ψ E".

Many other Parameters, other than text are inputted while recording but when the user uses by composing the script, he can perform the desired action just by using the above Parameter only.

Example

Script

Click Scenario sleep 1000 click t="\QGALAXY Apps\E"

Operating screen



Search the text 'GALAXY Apps' and click that text.



9.7 WaitFor

Definition of WaitFor

Wait till the activity of specific package appears completely. It is similar to 'Sleep Command' but the timing issue of varying sleep-time depending on environment (Sluggish, network status etc) of the terminal whenever 'Sleep' is executed, can be resolved. 'WaitFor' is not a factitious time rather it proceeds the next script while waiting for complete ending by checking the status of screen.

Parameter

[waitfor p= package name c= class name]

Input Package and Activity name to wait till it appears in the screen.

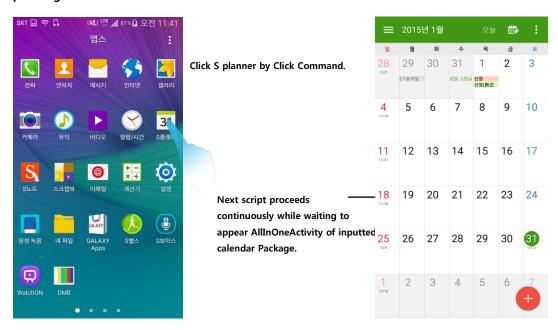
Start with [t=1] in case of searching text from **click** Parameter. Also to express the searching text, it should be started with " $\forall Q$ and to know the ending of searching text, it should be closed by $\forall E$ ".

Many other Parameters, other than text are inputted while recording but when the user uses by composing the script, he can perform the desired action just by using the above Parameter only.

Example

Script

```
# WaitFor Scenario
sleep 1000
click t="\text{\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\tex{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$\text{$
```





9.8 App & file execution

Definition of App execution

Executing the app installed in terminal directly. Using 'run' command.

Parameter

[run App name or Package name]

Input the name of App you want to execute or Package name.

Name and Package of relevant app can be searched from ACT App > menu > installed App list.

Definition of file execution

It executes the file inputted by user. 'execute' command is used. The most suitable App to execute the file is selected from the terminal by using MIME Type provided by Android.

Parameter

[entire path to **execute** file]

Input the entire path of the file which you want to run.

Example

Script

#Run Scenario
sleep 1000
run ACT
sleep 1000
press back
sleep 1000
run com.salab.act

#Execute Scenario sleep 1000 execute /sdcard/Script.txt

Operating screen



List of installed App



9.9 Quick Panel settings

Definition of Quick Panel settings

The main values in Quick Panel of the terminal is turned on/off by Script. The panel settings linked with network are excluded and if the settings are changed, it can affect the other settings.

Parameter

[Set setting value or check Setting value]

Turn on/off by using the value of **Setting type** in below table. It can be checked by 'check command' that whether the relevant Panel value is turned on/off normally.

Setting type	settings	meaning
wifi	on / off	Turns on/off the WiFi of terminal.
bluetooth	on / off	Turns on/off the Bluetooth of terminal.
rotation	on / off	Turns on/off the screen rotation of terminal.
vibrate	normal / vibrate / silent	Changes by ringtone/vibration/silent for the
		terminal.
airplane	on / off	Turns on/off the airplane mode of terminal.
gps	on / off	Turns on/off the position of terminal.
multiwindow	on / off	Turns on/off the multiwindow mode of terminal.
powersaving	on / off	Turns on/off the power saving mode of terminal.
smartstay	on / off	Turns on/off the smart stay of terminal.
brightness	0~255	Adjusts the brightness of terminal-screen.
		*Check not supported

Example

Script

Quick Panel Scenario
sleep 1000
wifi on

Quick Panel Scenario
sleep 1000
gps on check

Operating screen



 Wifi is on, GPS is on and checks whether it is turned on actually.
 Moves on to other script after checking that it is turned on correctly and working.



9.10 Installing and removing App & authority

Definition of installing and removing App

Installing internally force-installs the APK saved in internal memory of the terminal. **Removing** removes the App installed in terminal forcibly.

Parameter

Put the info of App to be installed and deleted. You can search the **Package** of App from **ACT App** > menu > **list of installed App.**

Install	Delete
install	uninstall.
Full Path saved by APK	Package name
install /sdcard/ACT2_v.2.80_user.apk	uninstall com.salab.act

Definition of authority

It checks all the Apps saved in terminal and the app using the right to take the personal information and arranging all those rights, save in text file in /ACT_LOGS/ folder.

Parameter

[permission]

Parameter is not needed in right/authority.

Example

Script

#Permission Scenario sleep 1000 permission

Operating screen

act_permission_time.txt

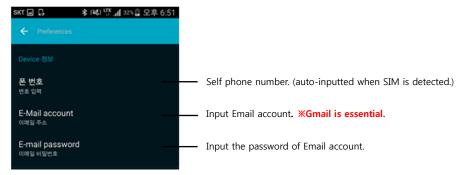


9.11 **Send**

Definition of Sending

Makes call to the number inputted in terminal and, sends the inputted contents as SMS Email.

Phone no. (auto-input when SIM is detected), Email address (G-Mail) password must be set in device info of ACT Setting before using the relevant command.



Parameter

Blank input is not permitted in details and, 'ACT Test Message' detail is sent automatically when the required detail is not inputted.

Send type	Parameter	meaning	
sendcall Phone number		Makes call to the inputted number.	
retrysendcall Phone number		Makes call till the inputted number receives.	
endcall		Ends the call.	
sendsms	Phone number details	er details Sends the contents to inputted no. as SMS.	
sendemail	Mail address details	Sends the contents to inputted mail address as Mail.	

Example

Script

#Send Scenario sleep 1000 sendcall 01000003082

Operating screen



Sends directly without dialing.



9.12 Library execution

Definition of Library execution

Re-usability of script can be raised by calling and executing on script after making the specific script as/by library. Library should exist outside the scenario and declared as/by '@'. The declared library can't be seen in ACT screen but, it can be checked and modified by going to edit mode.

Parameter

[@ declared Library name]

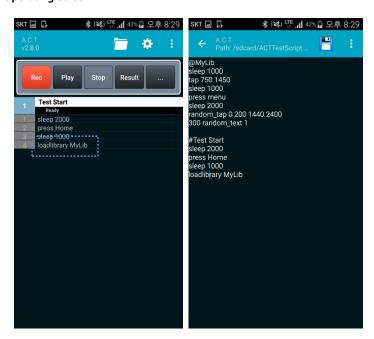
Write the library name written as/by @.

Example

Script



Operating screen



Library can't be checked from ACT main screen but it can be checked in/from edit mode.

9.13 Wait Event

Definition of Wait Event

When any specific event is required by the terminal, it can be made to occur when the user wants by using 'Wait Event'. Wait Event is set for server phone and event is sent to the testing terminal from server end. The testing terminal waits continuously till event comes.

Testing terminal side



Server end

Run ACT App > menu > server mode.

Parameter

Next script is processed when event does not comes till the max. inputted time.

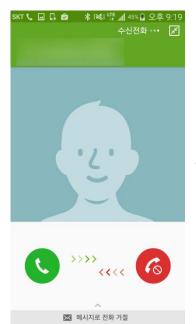
Wait type	Parameter	meaning
wait call	Max. waiting time (ms)	Requests to make call to server phone and waits till it is received.
wait endcall Waits till the server phone ends the call.		Waits till the server phone ends the call.
wait sms	Max. waiting time (ms)	Requests to send SMS to server phone and waits till it is received.
wait email	Max. waiting time (ms)	Requests only to send email to server phone.
wait alarm	Max. waiting time (ms)	Waits till Alarm rings **set alarm in test-phone
wait download Max. waiting time (ms)		Waits till the download the completed while downloading App from
		market.

Example

Script

#Wait Scenario sleep 1000 wait call

Operating screen



Wait till call is made from the server phone to test-phone.



9.14 Sound Recording

Definition of Sound Recording

The user can record the sound coming out from the terminal till he wants. It is recommended not to exceed max. 1 minute while saving. The saved file is saved in 'ACT_LOGS folder' and it is saved in 'Sound_time.amr' format.

Parameter

[record_start or record_start path]

Record_start and record_stop should always be done by one set and, recording time can be controlled by sleep.

Send type	Parameter	meaning
record_start	Blank space / path	It is saved by the relevant name when inputted by
		Parameter in ACT_LOGS folder and if not so, then
		saved as sound_time.amr.
record_stop		The inputted number(call) is send till it is received.

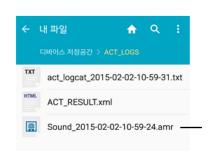
Example

Script

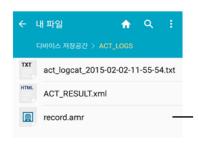
#Record Scenario sleep 1000 record_start sleep 5000 record_stop

#Record Scenario sleep 1000 record_start record.amr sleep 5000 record_stop

Operating screen



If filename is not inputted, Saved as 'Sound_time.amr'.



If filename is inputted, Saved in ACT_LOGS folder By the inputted name.



9.15 Screentext

Definition of Screentext

The command inputted by user is executed if the relevant text is present in the screen by searching the specific text (Parameter inputted by the user) when the screen changes. When the relevant Text could not be found, it waits endlessly. It can be run irrespective of User/Eng binary.

Parameter

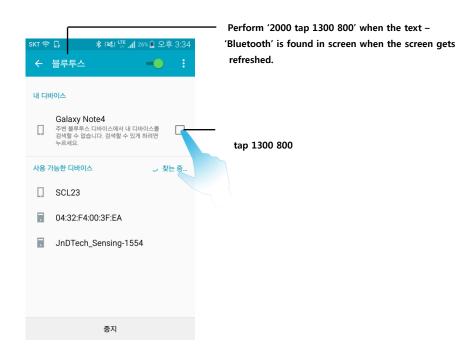
[screentext { text1 : command 1} { text2 : cmd2 } ...]

Input the text to be searched. It should be inputted exactly as it is shown (upto the word-spacing) in the screen.

Example

Script

```
# Screen Text Scenario
sleep 1000
run setting
sleep 1000
tap 770 2000
screentext { bluetooth : 2000 tap 1300 800 }
2000 press home
```





9.16 Saving Log & screen capture

Definition of saving log

Save the log of AP like Dumpsys, Dumpstate, Logcat etc. Save to/as logcat_time.txt and bugreport_time.txt after creating /sdcard/ACT_LOGS/_execute-date-time folder.

Parameter

[bugreport]

Parameter is not needed in saving LOG.

Definition of screen capturing

The user executes the inputted file.

The most suitable App to run the file gets selected from terminal by using MIME Type which is provided by/in Android.

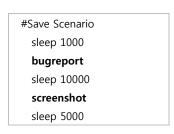
Parameter

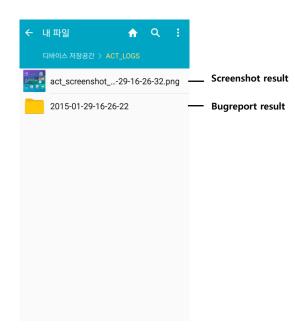
[path to save screenshot file]

Input the entire path of the position where you want to save. It gets saved in /sdcard/ACT_LOGS folder when path is not inputted.

Example

Script







9.17 Intent & rebooting

Definition of sending Intent

The basic/default intent of Android can be sent through ACT.

Parameter

[intent intent name]

. All the basic/default Intent provided in Android can be used. It can be checked from 'Android Developer Intent'.

Definition of rebooting

If it meets the 'Reboot command', rebooting is done and, if rebooting gets done, the subsequent script proceeds continuously. It can be set to proceed continuously after the scheduled time by using delay of Setting.

Parameter

[reboot]

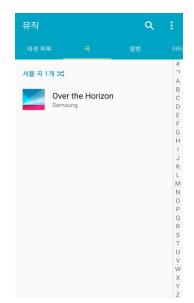
Parameter is not needed in rebooting.

Example

Script

#Intent Scenario
Sleep 1000
Intent android.intent.action.MUSIC_PLAYER

Operating screen



Music Player gets executed.



10. ACT Setting

Definition of ACT setting

ACT Menu > the values set in Setting, can be changed on script. It can be helpful when test has to be done in same condition.

Setting	Script Value	Parameter			
Phone number	\$PhoneNumber	Phone number			
	inputted automatically when terminal dete				
E-Mail account	\$EMail	Email address			
Input while using Email related	ı Command. Only Gmail(@gmail.com) is app	plied and entire address need to be			
inputted.					
E-Mail password	\$EMailPW	Email password			
Input the password of inputted E	mail account.				
Phone number at server side	\$ServerNumber	Phone number			
Input the server-side number to	be used during Wait Command.				
Crash/ANR detection	\$ErrorDetect	true/false			
Save Log and screen-shot as per s	settings in /ACT_LOGS/errorApp_time folde	r when ANR or Crash has occurred.			
Whether to ignore script error	\$IgnoreError	true/false			
Even if False appears or, there is er	ror in script during the test, it is ignored a	nd next script proceeds.			
Whether to save screenshot	\$SaveScreenshot	true/false			
Save screenshot when Crash/ANI	R has been detected. (Crash/ANR should b	e turned on.)			
Whether to reboot phone	\$RebootWhenErrorOccurs	true/false			
Reboot after completion of Log s	saving when Crash/ANR has been detected	d. (Crash/ANR should be turned on.)			
Whether to save Logcat	\$SaveLogcat	true/false			
save Logcat in /ACT_LOGS folder	after all ACT script is run/proceeded.				
Saving result	\$SaveResultAlways	true/false			
Save 'ACT_LOGS/ACT_RESULT.xm	I' after proceeding of entire ACT script.	Scenario-wise time-taken, memory			
usage, no. of repetition, CPU usage	, battery usage etc. can be checked.				
Resource measurement	\$ResourceTracing	true/false			
Save CPU, Packet, memory, batte	ry usage whenever each command is exec	uted.			
CPU measurement min. time	\$CPUTraceMinTime	time(ms)			
	sage. (Resource Tracing should be turned	on.)			
auto start of ACT script after booting	\$AutoStart	true/false			
It proceeds from next script after	booting is completed when rebooting is	done without the ending of test.			
Waiting time after booting	\$DelayTimeAfterReboot	time(ms)			
It gives delay time before auto-s	tarting of ACT Script when rebooting is do	ne.			
Big start button	\$BigStartButton	true/false			
Start button happens to appear i	n full screen.				
End point	\$BatteryEndLevel	Number			
ACT test is ended automatically when remaining battery level of the terminal becomes the same as the value					
inputted by user. It is 1%, 5%(defau	ult value), 15%, 30%, 50%. 80%, 100%(for c	harging test), 0% in actual settings.			
Standard temperature	\$TemperatureDetection	Number			
Input the temperature which is s battery temperature when not supp	tandard for detection. Detect on the basis ported.	s of AP temperature and it brings in			

Setting	Script Value	Parameter				
Temperature check interval \$TemperatureMinTir		Time(ms)				
Set the min. tome to check temperature.						
Sleep permission	\$AllowDeepSleep	true/false				
If the sleep time of terminal is	longer than screen auto turn off time,	terminal state can be set between				
Dimming and Deep Sleep.						
Motion detecction	\$ShakeAction	true/false				
ACT can be stopped if terminal is	s shaken 3~4 times strongly while it is run	ning (Rec or script execution).				
Touch coordinates and script display	\$PointerLocation	true/false				
The currently running script and	The currently running script and touch-coordinates are shown on screen-top.					
Display of progress state	\$NotificationCheck	true/false				
Progress status of current script i	s displayed in notification.					
Mixing the scenario execution order	\$RandomScenario	true/false				
Perform by mixing the execution	order of scenario randomly.					
ACT WatchCat	\$ACTWatchCat	true/false				
Checks the state to get ACT executed normally and, when it is terminated unintentionally, it makes ACT to run						
again.						
ACT WatchCat interval	\$ACTWatchCatInterval	time(ms)				
ACT WatchCat is inputted for the time to check the status of ACT.						

