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# 1. Set testing environment

Step 1:

Use adb push factory test script to device

Exp:

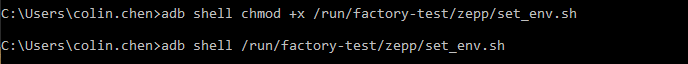


Run set\_env.sh

adb shell chmod +x <set\_env.sh path>

<set\_env.sh path>

Exp:



Then all the test script at project fold (exp: zepp) available.

# 2. Test script descript

Test script fold tree as below:

Factory test ------- main fold

| ---- platform ------- main script for whole platform

|----- zepp ------- project fold test script for specify project

|----- conf ------- configure file for specify script

For testing running the script at project fold (exp: zepp)

To configure specify test script: modify the .conf file at conf fold.

## 2.1 button check

Run button check script “button\_f\_check.sh” then push the button will get the test result. This script will wait 10S for pushing button.

All key define at conf file “key\_list.conf”. 1st row as key code using Hex form and 4bytes. 2nd row as key name

Exp:

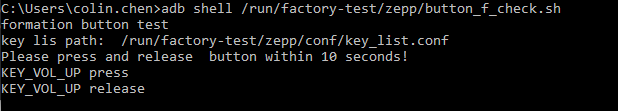
0066 KEY\_FORMATION

00a4 KEY\_PLAY\_PASUE

Test command:

adb shell /run/factory-test/zepp/button\_f\_check.sh

Exp:



## 2.2 I2C inventory check

Run “inventory.sh”

All I2C chip define at conf file “inventory.conf”. 1st row was i2c bus name , 2nd  row was I2C address, 3rd row was chip names.

**Notice: I2C address using 7bits address and Hex form. (exp: Address “0x40” will be “0x40/2” only use the digital part “20”)**

**Conf file exp:**

i2c-2 20 PA1-MA12070

i2c-2 21 PA2-MA12070

i2c-2 22 PA3-MA12070

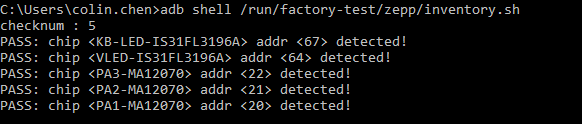
i2c-3 64 VLED-IS31FL3196A

i2c-3 67 KB-LED-IS31FL3196A

Test command :

adb shell /run/factory-test/zepp/inventory.sh

exp:



## 2.3 PA fault check

Run “get\_pa\_fault.sh”

PA fault pin define at file “pa\_fault.conf”. 1st row as gpio number. 2nd row as gpio name.

Exp:

81 PA1-fault

22 PA2-fault

23 PA3-fault

Test command :

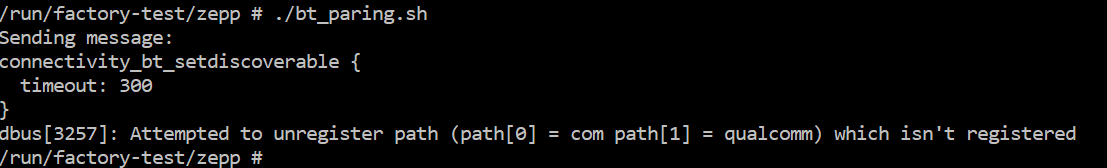
adb shell /run/factory-test/zepp/

Exp: (currently those gpio didn’t mount to system so this exp was fail exp)

## 2.4 BT paring

Run “bt\_paring.sh”

And BT will enter paring state. Using smart phone can search devices name.



## 2.5 Set LED

Run “set\_led.sh”

Led name and number define at file “led.conf”. 1st row as led name. 2nd row as led number

Exp:

led-formation1 1

led-formation2 2

led-voice-service1 3

led-voice-service2 4

all all

Parameter “all” support to operate all the available LED.

Command form:

set\_led.sh <Led name> <R brightness> <G brightness> <B brightness>

Brightness range: 0~255

Exp:



## 2.6 Get NTC

Run “get\_ntc.sh”

Thermal zone define at “ntc.conf”. 1st  row as thermal zone name. 2nd row as thermal zone number

Exp :

thermal\_zone4 4

output form:

<thermal zone name>

<type> ----- name define at thermal driver

<thermal value> ------ value of micro Celsius degree

Exp:

