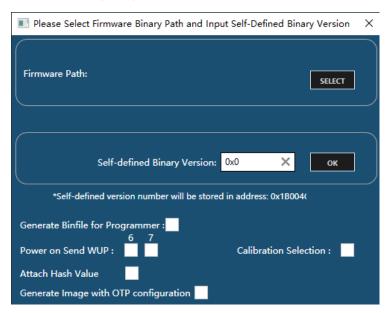
Console Tool User Guide

In RTKAutoSwitchTool_VA_2.1.6.20.0, there are several parameters in the picture below to set when making image file. So they are also available in Console Tool for Windows and Linux.



Linux Testing Environment:

- 1) GLIBC 2.23
- 2) gcc 5.4.0 20160609
- 3) Ubuntu 16.04
- 4) libusb-1.0.23

Batch files are provided to make image file. You can use LinuxConsole.sh for Linux, and WinConsole.bat for Windows.

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1.LinuxConsole.sh

```
#!/bin/bash
      InputJson=INPUTJSON
     Firmware_Path=Firmware/RTL906X-7XA_Patch-Firmware-Image_v4.9.4.290721.bin
     OutputFilePath=Image
     Self_definedBinaryVersion=0x0
      CustomizedNumber=0x0
      Generate_Image_with_OTP_configuration=False
      Generate_Binfile_for_Programmer=False
11
12
13
14
15
      Power_on_Send_Wup_p6=False
      Power_on_Send_Wup_p7=False
     Attach_Hash_Value=False
Calibration_Selection=False
     Califile=Califile
16
17
18
19
20
21
      ./RTL904XToolV2 $BulkTrans \
                         $InputJson \
                         $Firmware_Path \
$OutputFilePath \
                         $Self definedBinaryVersion \
                         $CustomizedNumber \
                         $Generate_Image_with_OTP_configuration \
                         $Generate_Binfile_for_Programmer \
                         $Power_on_Send_Wup_p6 \
                         $Power_on_Send_Wup_p7 \
$Attach_Hash_Value \
$Calibration_Selection \
```

Parameters in red box is necessary to run this console tool, and those in green box are optional.

Example1:

```
#!/bin/bash
BulkTrans=true
InputJson=INPUTJSON
 ./RTL904XToolV2 $BulkTrans \
          $InputJson
Example2:
 #!/bin/bash
 BulkTrans=true
 InputJson=INPUTJSON
 Firmware_Path=Firmware/RTL906X-7XA_Patch-Firmware-Image_v4.9.4.290721.bin
 OutputFilePath=Image
 Self definedBinaryVersion=0x0
 CustomizedNumber=0x0
 Generate_Image_with_OTP_configuration=False
 ./RTL904XToolV2 $BulkTrans \
                 $InputJson \
                 $Firmware Path
                 $OutputFilePath \
                 $Self definedBinaryVersion \
                 $CustomizedNumber \
                 $Generate Image with OTP configuration
```

BulkTrans: how many json files to load at a time, true: several files in a folder, false: only one InputJson: if BulkTrans = true, InputJson = file path of the folder where json files to load; if BulkTrans = false, InputJson = file path of the json to set.

Firmware Path: File path for the firmware, normally no need to change

OutputFilePath: if BulkTrans = true, you can choose this file path for output bin files, which default value is '/Image'; if BulkTrans = false, the output bin file is 'fw_config.bin' in exe directory.

Self definedBinaryVersion: Version number for this .bin file, hexadecimal, 4byte

CustomizedNumber: Customized number (binfile offset: 0x40050~0x40057), hexadecimal, 8byte

Generate Image with OTP configuration: True, False

Generate_Binfile_for_Programmer: True, False

Power_on_Send_Wup_p6: True, False Power_on_Send_Wup_p7: True, False

Attach_Hash_Value: True, False Calibration_Selection: True, False

Califile: Flash tool calibration folder, which can be set in Update Image dialog

2.WinConsole.bat

```
1 @echo off
    rem Cfglen:True: 4bytes, False: 2bytes
   set BulkTrans=false
    set InputJson=INPUTJSON
          Firmware_Path=Firmware/RTL906X-7XA_Patch-Firmware-Image_v4.9.4.290721.bin
    set OutputFilePath=Image
    set Self_definedBinaryVersion=0x0
    set CustomizedNumber=0x0
    set Generate_Image_with_OTP_configuration=False
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
    set Generate_Binfile_for_Programmer=False
    set Power_on_Send_Wup_p6=False
    set Power_on_Send_Wup_p7=False
    set Attach_Hash_Value=False
    set Calibration_Selection=False
set Califile=Califile
    start RTL904XToolV2.exe %BulkTrans% ^
                                   %InputJson% ^
                                   %Firmware Path% ^
                                   %OutputFilePath% ^
                                   %Self_definedBinaryVersion% ^
%CustomizedNumber% ^
                                   %Generate Image with OTP configuration% ^
%Generate Binfile for Programmer% ^
%Power on Send Wup p6% ^
                                   %Power_on_Send_Wup_p7% ^
%Attach_Hash_Value% ^
                                   %Calibration Selection% ^
30
                                   %Califile%
31
```

Similar to LinuxConsole.sh.

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