



QY-IMX6S SBC Android Burning Manual

Version No. : 1.0

2010.07

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Version	Hardware Platform	Description	Date	Reviser
1.0	QY-IMX6S-V1.2	First Published	2014-05-21	st



Preface

This manual mainly introduces how to burn system image to mainboard.

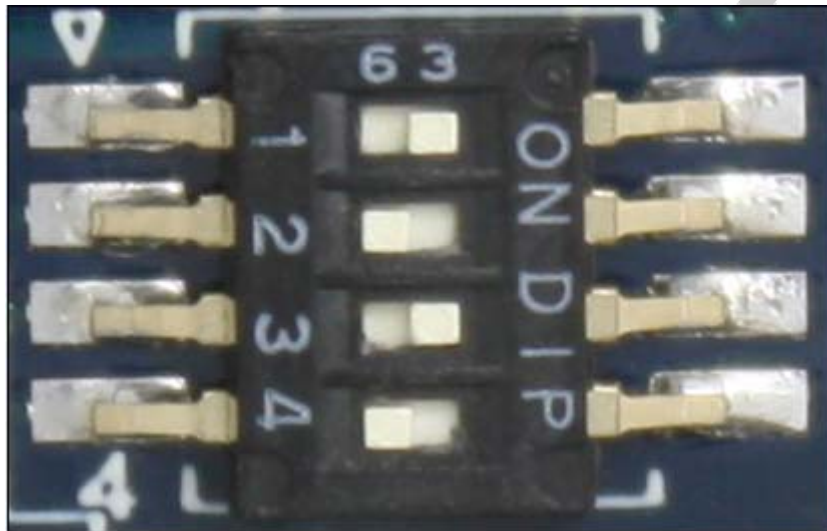
Before reading this manual, please read carefully *QY-IMX6S Hardware Manual*.



I. Preparation

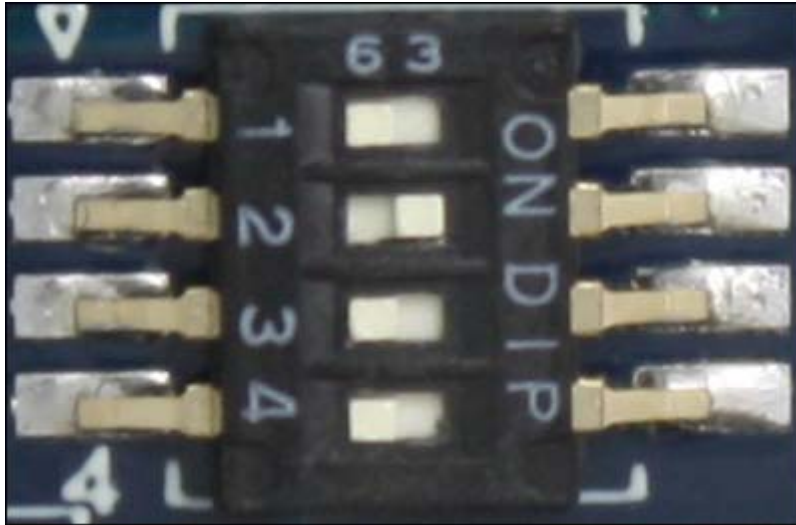
1.1 Boot Introduce

QY-IMX6S support many kinds of boot methods: such as SD Card, EMMC, SPI. Defaulted is EMMC. The following are the different boot methods which corresponded the dial-up pictures:

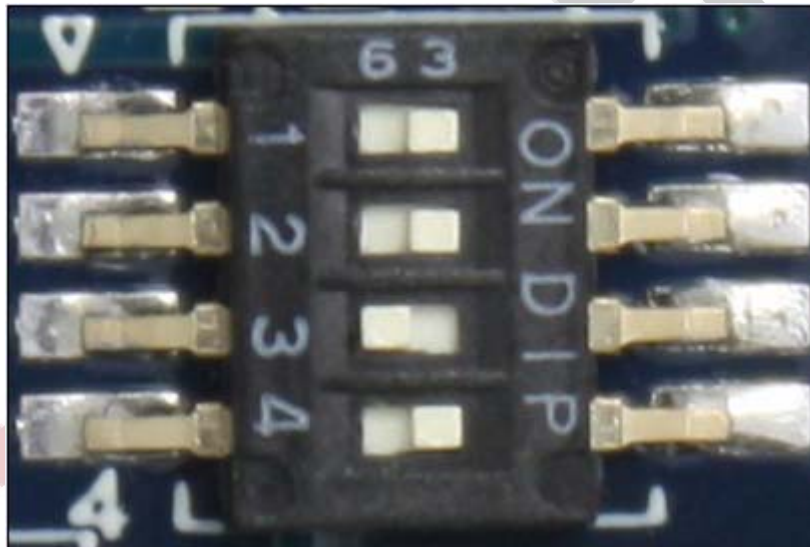


picture 1

SD Card Boot: 1010



picture 2
SPI Boot: 0100



picture 3
EMMC Boot: 1101

1.2 Preparation and Image

When you install Android system and first boot used, it will appear a touch panel calibration interface.

- ◆ Burning Tool: Mfgtool. Run on window platform, in the directory of[tools]
- ◆ Virtual machine terminal program: like windows own super terminal, or

SecureCRT of [\\tools of CD]

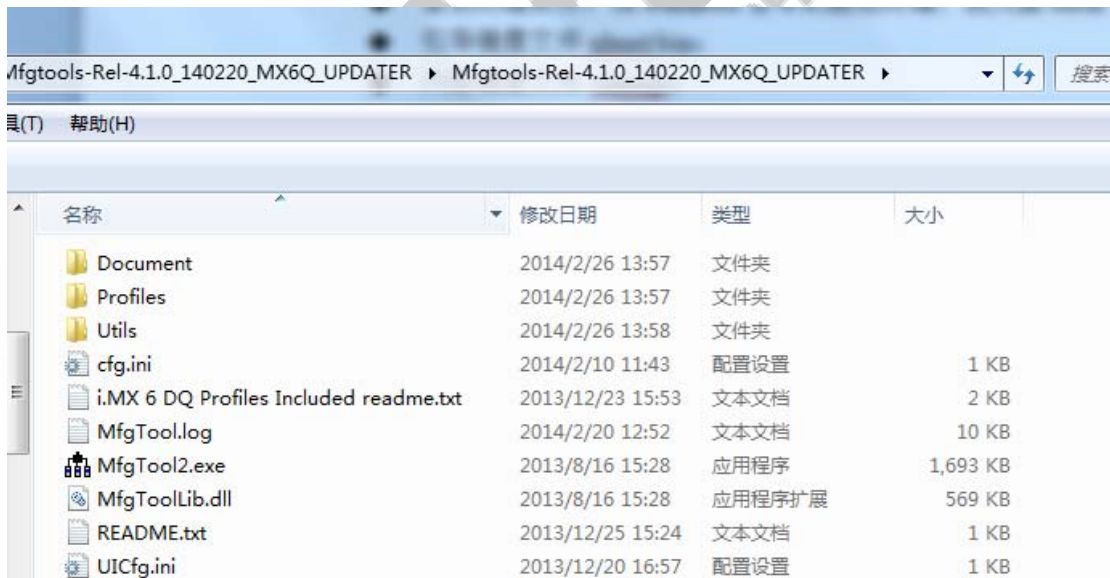
- ◆ System Image File
- ◆ QY-IMX6S Mainboard
- ◆ 1 USB OTG Cable connect to J10 of mainboard and USB of PC

Extract [Mfgtool] in the directory of [CD/Tool Software/ Burning Tool].



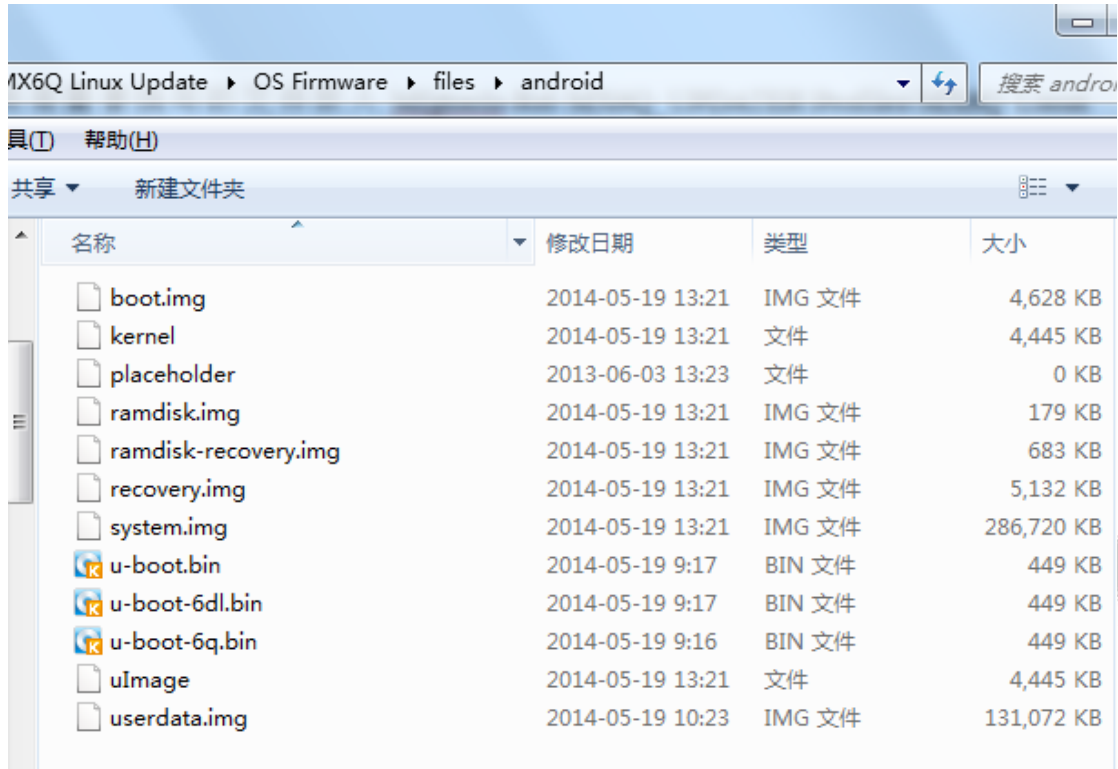
picture 4

Open file after extracting.



picture 5

Put all the file needed to be burnt into directory [Mfgtools-Rel-MX6Q_UPDATER \\Profiles\MX6Q Linux Update\OS Firmware\files\android].

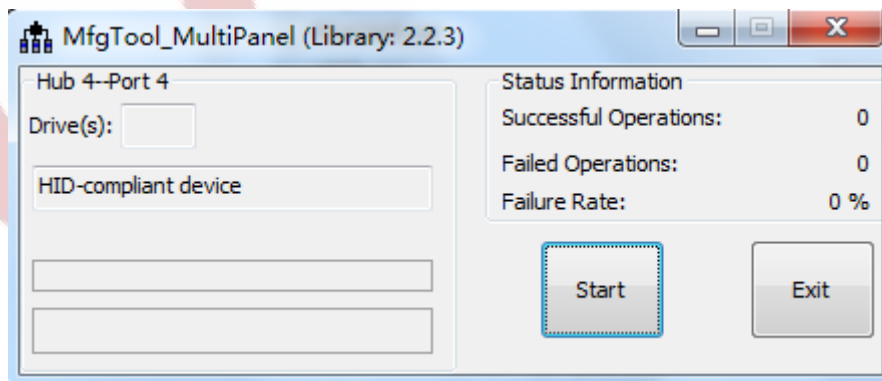


picture 6

II. USB Burn Image

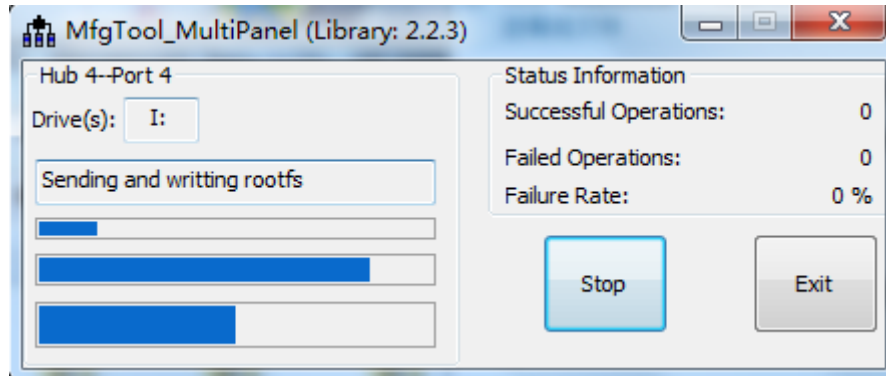
Connect circuit J4 jumper cap of mainboard, remove J7 jumper cap and power on mainboard.

After powering on, run [MFGTool2.exe] executive file, as follows:



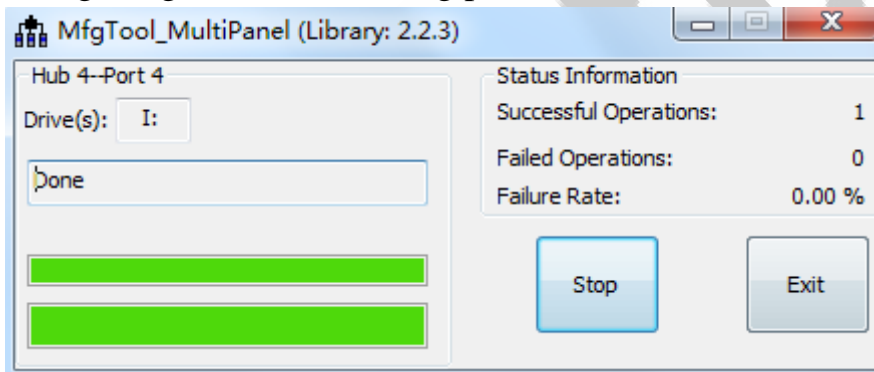
picture 7

Click <start>, [MFGTool] will show image downloading status, it may needs several minutes for downloading, please be patient:



picture 8

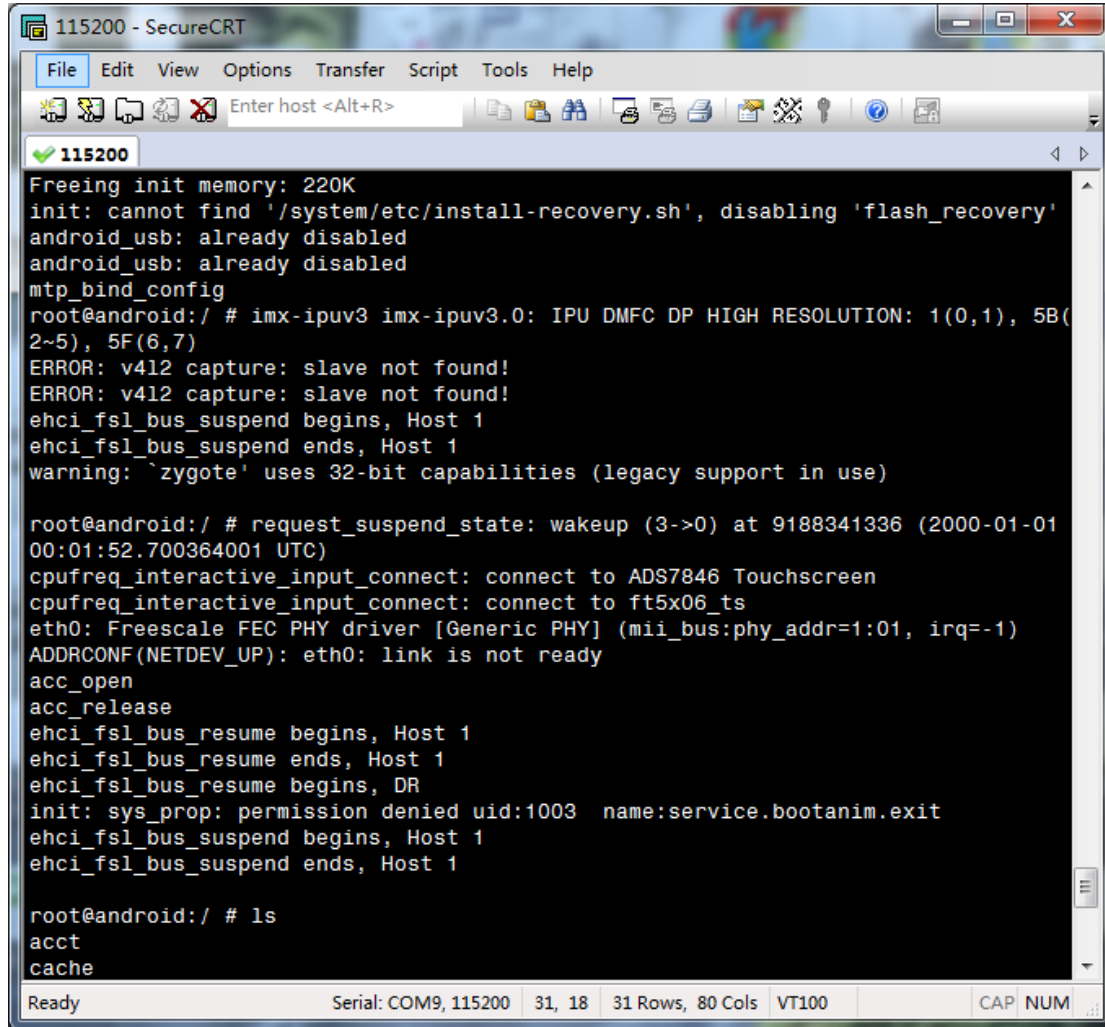
After downloading image, as the following picture:



picture 9

Select <stop>, click <Exit>, finish burning.

Remove J4 jumper cap from mainboard, connect circuit J7, power off and then restart.



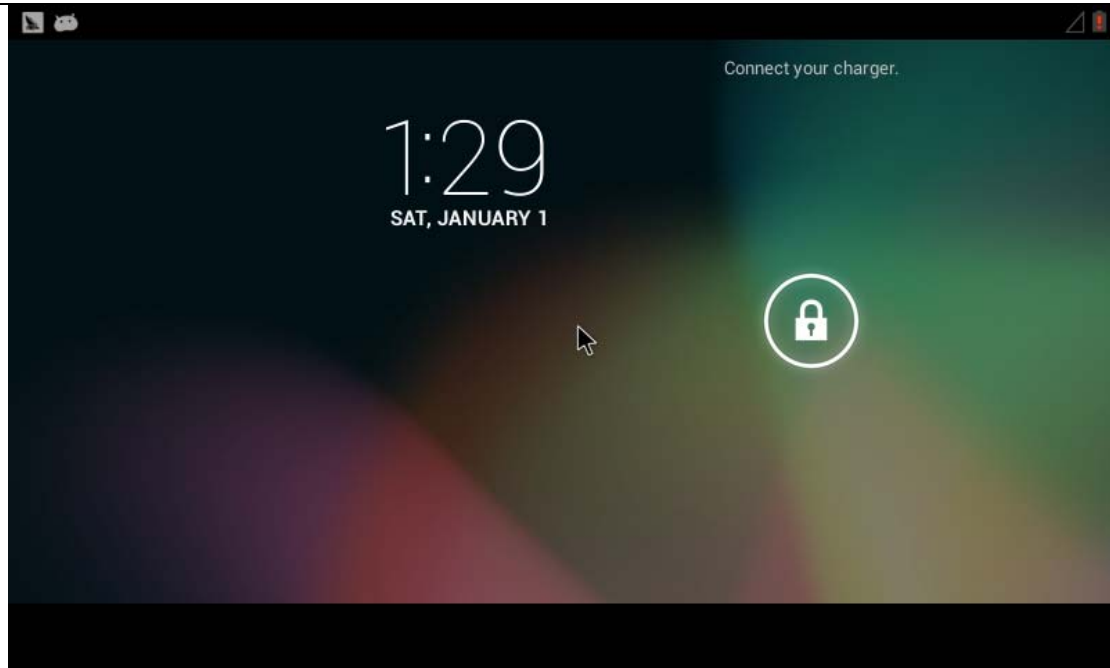
```
115200 - SecureCRT
File Edit View Options Transfer Script Tools Help
Enter host <Alt+R>
115200
Freeing init memory: 220K
init: cannot find '/system/etc/install-recovery.sh', disabling 'flash_recovery'
android_usb: already disabled
android_usb: already disabled
mtp_bind_config
root@android:/ # imx-ipuv3 imx-ipuv3.0: IPU DMFC DP HIGH RESOLUTION: 1(0,1), 5B(
2~5), 5F(6,7)
ERROR: v4l2 capture: slave not found!
ERROR: v4l2 capture: slave not found!
ehci_fsl_bus_suspend begins, Host 1
ehci_fsl_bus_suspend ends, Host 1
warning: `zygote' uses 32-bit capabilities (legacy support in use)

root@android:/ # request_suspend_state: wakeup (3->0) at 9188341336 (2000-01-01
00:01:52.700364001 UTC)
cpufreq_interactive_input_connect: connect to ADS7846 Touchscreen
cpufreq_interactive_input_connect: connect to ft5x06_ts
eth0: Freescale FEC PHY driver [Generic PHY] (mii_bus:phy_addr=1:01, irq=-1)
ADDRCONF(NETDEV_UP): eth0: link is not ready
acc_open
acc_release
ehci_fsl_bus_resume begins, Host 1
ehci_fsl_bus_resume ends, Host 1
ehci_fsl_bus_resume begins, DR
init: sys_prop: permission denied uid:1003 name:service.bootanim.exit
ehci_fsl_bus_suspend begins, Host 1
ehci_fsl_bus_suspend ends, Host 1

root@android:/ # ls
acct
cache
```

picture 10

After system Boot successfully, enter Android file system, then connect to the display monitor , you will find that the Android interface has booted. Now system burning finished.



picture 11

III. Conclusion

If you have any questions or suggestions, please feel free to contact us: supports@qiyangtech.com, more information contact trade@qiyangtech.com, or log in <http://www.qiyangtech.com>.

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