

Production Upgrade Tool User Manual

V2.4(20151221)

I. Equipment Needs

- 1、 A Router .
- 2、 A computer.
- 3、 HF-LPB120/HF-LPT120/HF-LPT200/HF-LPB100/HF-LPT100F//HF-LPT200 modules.

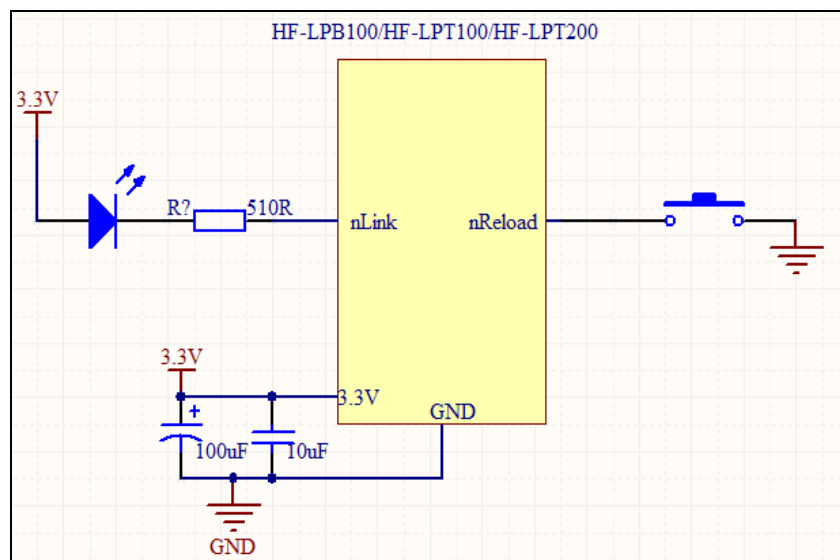
II. Software Needs

- 1、 HFUpdate.exe.
- 2、 LPB_MASS_TOOL. (Optional, it is used for generate configure update file)
- 3、 Firmware update file. (Optional, it is used for update firmware)
- 4、 Webpage update file. (Optional, it is used for update module's webpage , Only for HF-LPB100/HF-LPT100F)
- 5、 Configure update file. (Optional, it is used for update module's factory setting)
- 6、 Wi-Fi firmware update file.(Optional, it is used for update module's Wi-Fi firmware, Only for HF-LPB100/HF-LPT100F/HF-LPT200)

III. Notes

- 1、 The PC network firewall should be turned off.
- 2、 The tools should be in the disk root directory.

IV. Module Hardware Connection



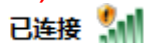
- 1、 nReload(necessary): Upgrade mode button.

- 2、 nLink(optional): Upgrade mode indicator.

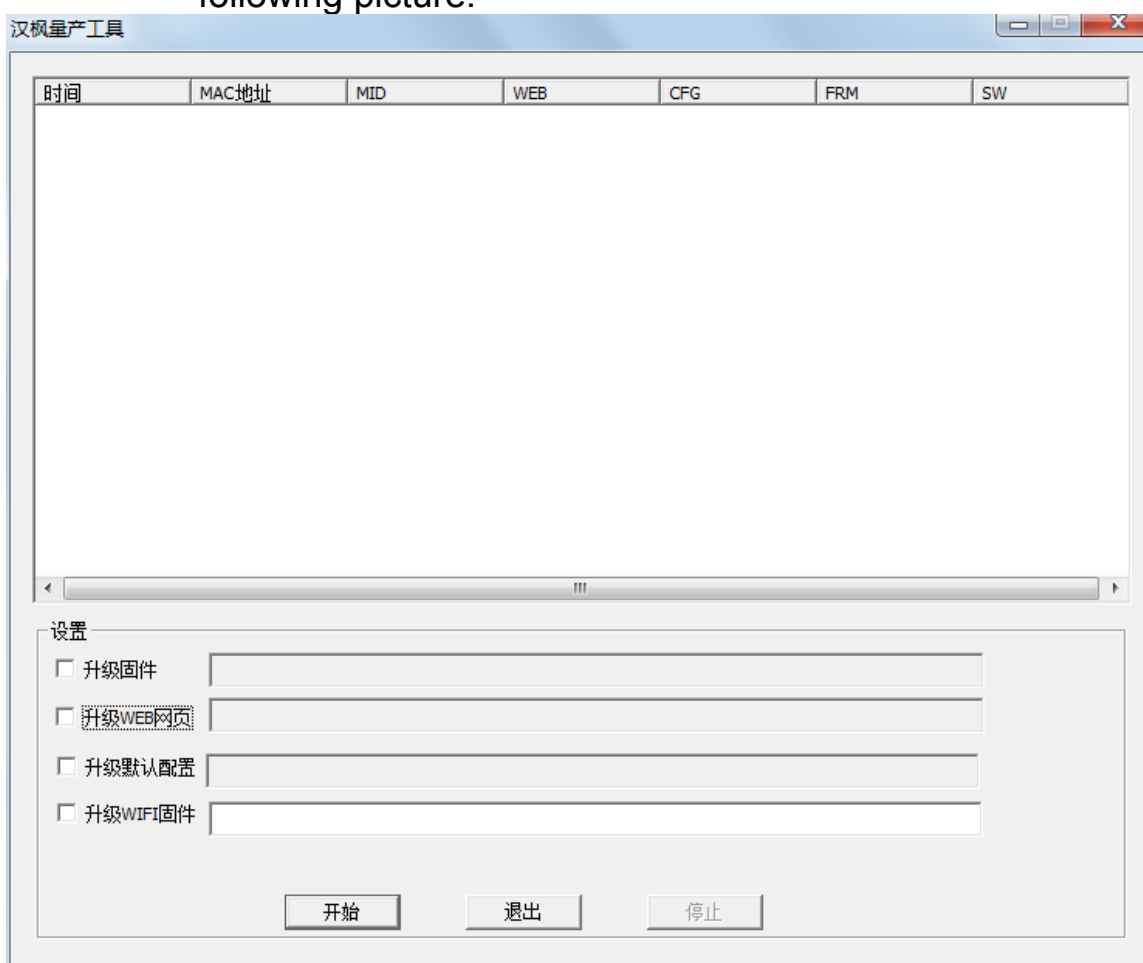
V. Update Operation

- 1、 Set SSID of router as “UPGRADE-AP”. Set encryption type of router as “open”.
- 2、 Computer connect to this router as following picture. (Best connect with Ethernet).

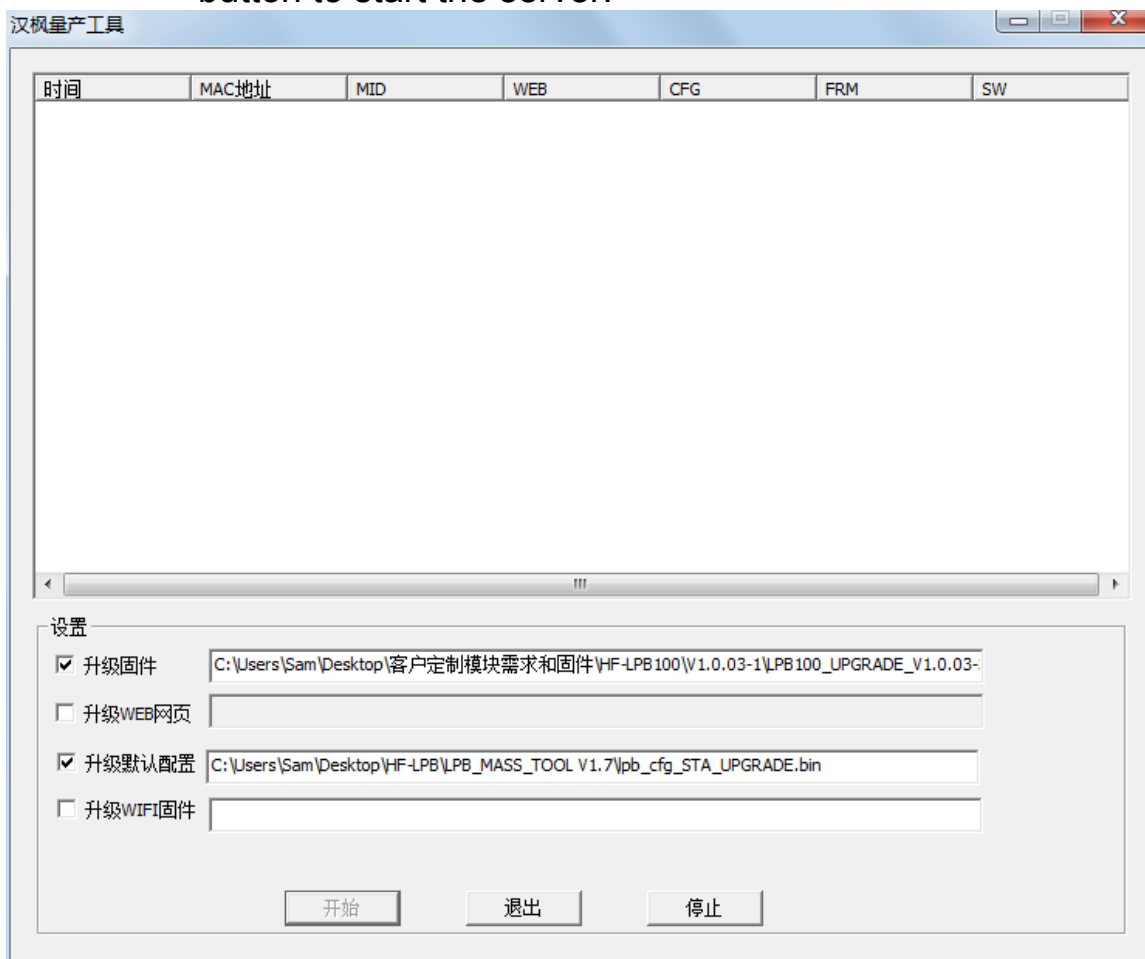
UPGRADE-AP



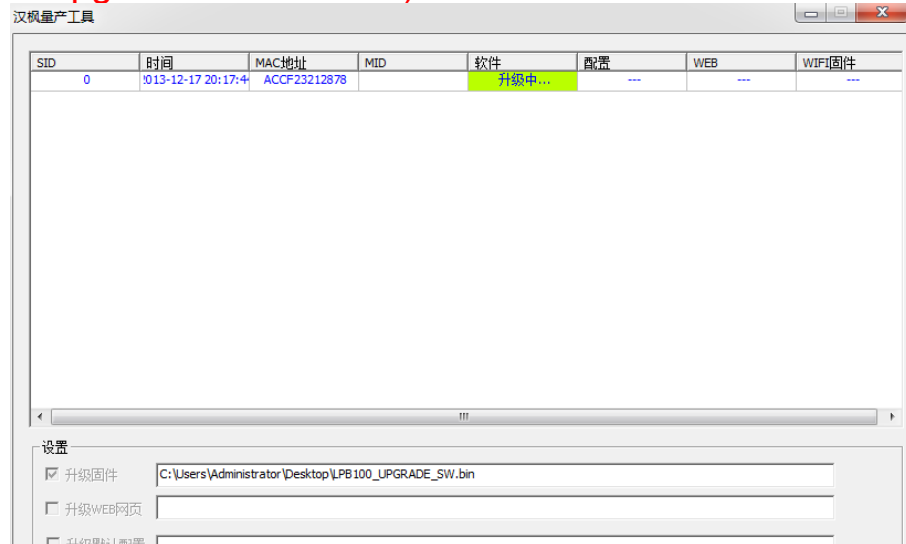
- 3、 Click “HFUpdate .exe” to open HF Production Tool as following picture.



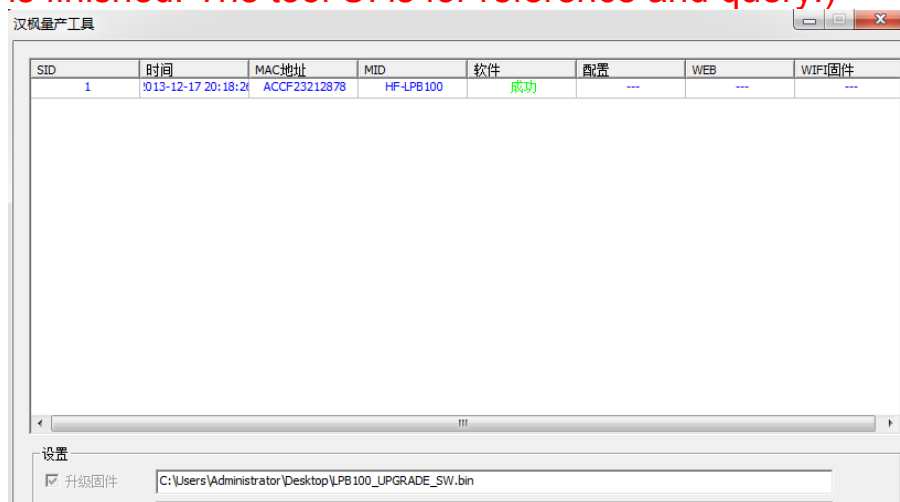
- 4、 Select the corresponding update file and click “start” button to start the server.



- 5、 Pull down the “nReload” button and reset the module. The “nReady” will flash two times and off, then the module is in auto update mode. the module is will download the corresponding update files to upgrade itself. The log information will be displayed in the tool and saved in “log” directory. (Note: A maximum of 8 pcs modules can be upgraded at one time)



- 6、 After module update is successful. The tool inform “upgrade success” and the “nLink” LED is on. (Notes: If the module “nLink” LED is on, then the upgrade process is finished. The tool UI is for reference and query.)



- 7、 If the upgrade is failed. “nLink” LED will be flashing. The tool will indicate upgrading failed in five minutes. (Notes: Mainly judge the upgrade process with the “nLink” LED. The tool UI is for reference and query.)

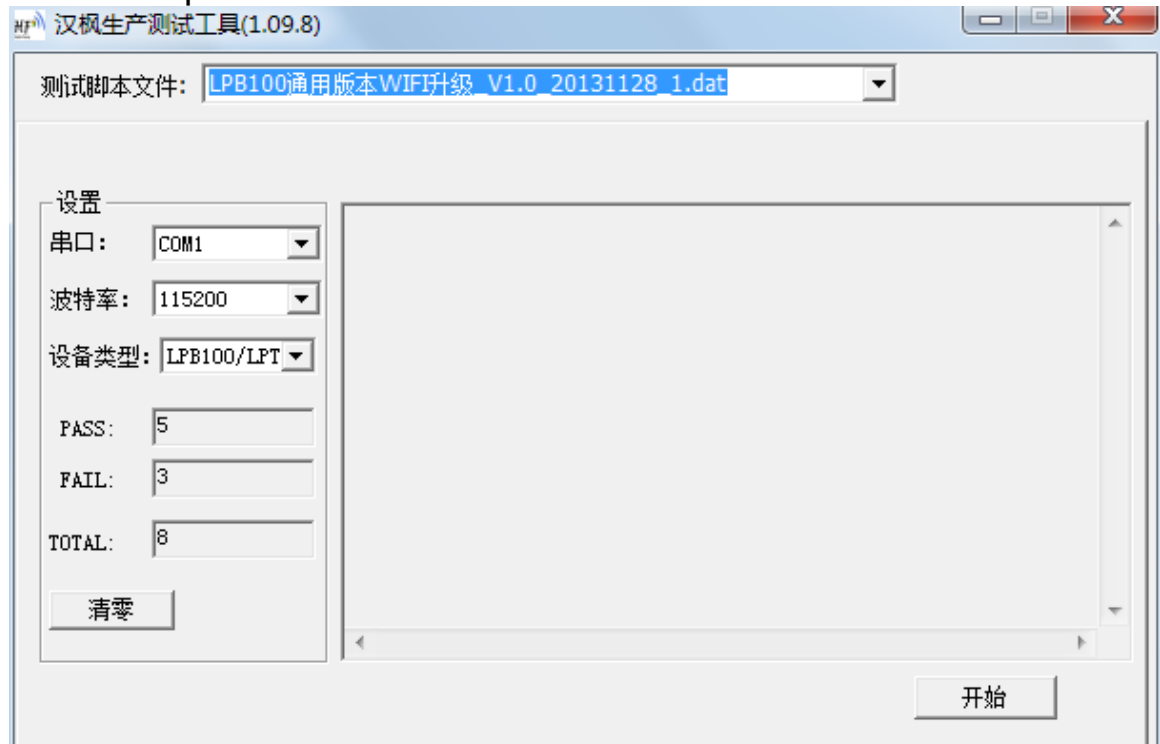
1 HFProductTools

2 Requests

- a) Router
- b) Computer
- c) High-flying Wi-Fi module
- d) module fixture
- e) serial line

3 Upgrade Process

- a) Set router SSID: UPGRADE-AP, no password
- b) Run **【HFProductTools.exe】**, select the corresponding script.



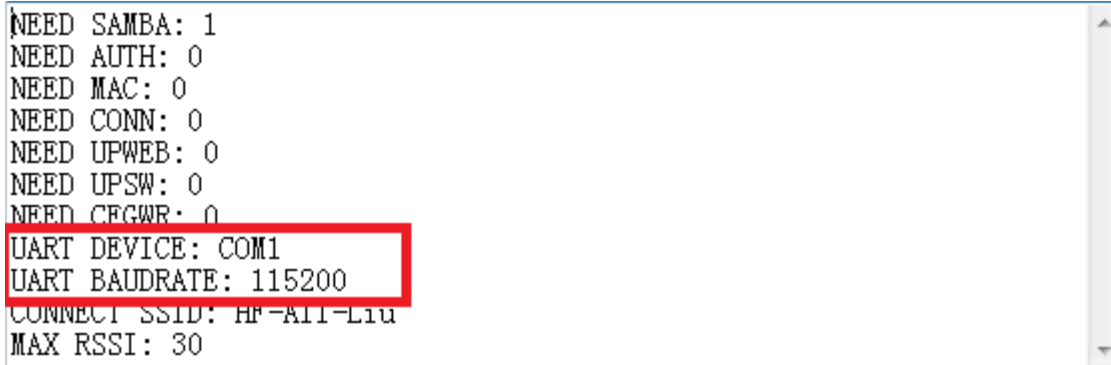
- c) Press 【开始】, and the tool will run the script. The script will do much works such as **signal strength check**, parameters setting and so on.



APPENDIX A :

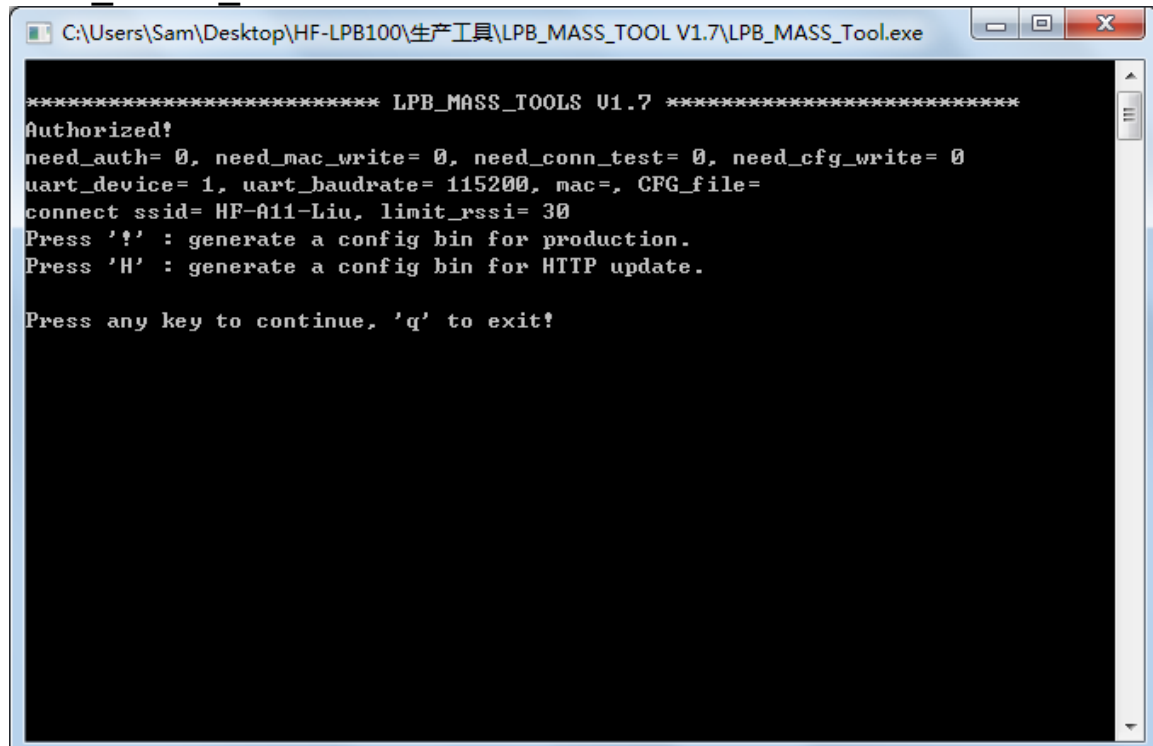
I. Generate Configure Update File

- 1、Modify “Config” file in directory “LPB_MASS_TOOL V1.7\data”. Modify “UART DEVICE” to module’s serial port number. Modify “UART BAUDRATE” to module’s serial port baud rate.



```
NEED SAMBA: 1
NEED AUTH: 0
NEED MAC: 0
NEED CONN: 0
NEED UPWEB: 0
NEED UPSW: 0
NEED CFGWR: 0
UART DEVICE: COM1
UART BAUDRATE: 115200
CONNECT SSID: HF-A11-Liu
MAX RSSI: 30
```

- 2、Set module setting with “AT command” and then run “LPB_MASS_Tool.EXE”.

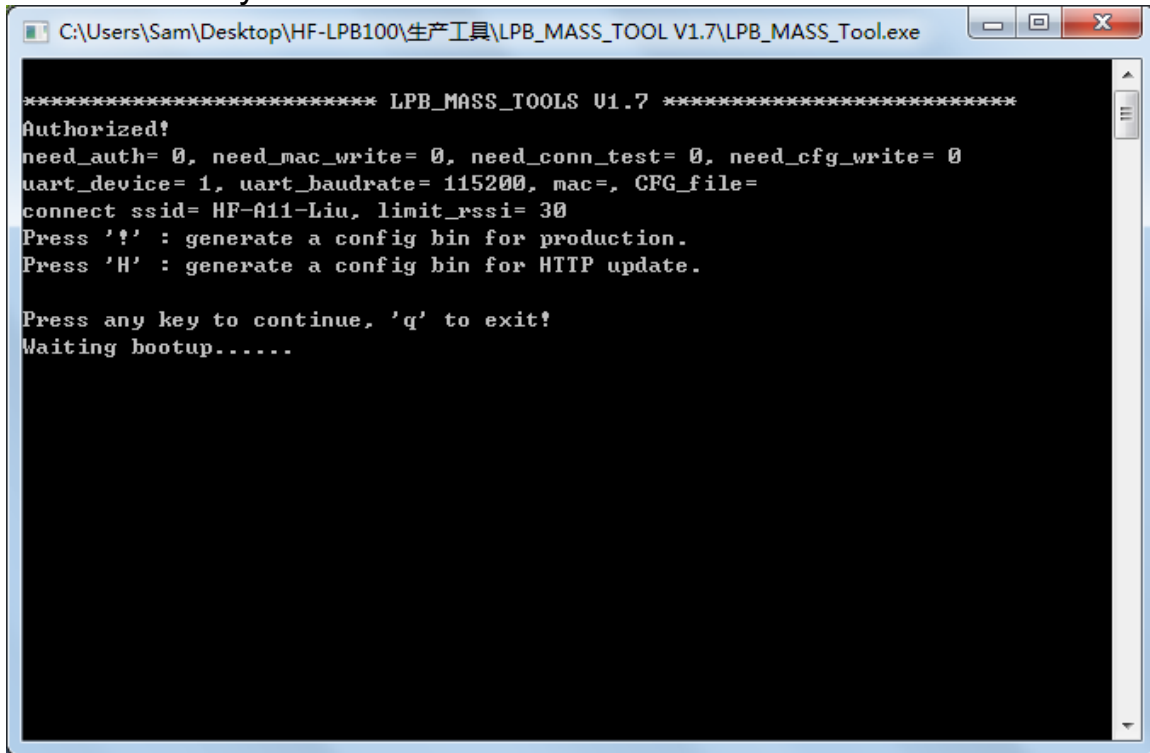


```
C:\Users\Sam\Desktop\HF-LPB100\生产工具\LPB_MASS_TOOL V1.7\LPB_MASS_Tool.exe

***** LPB_MASS_TOOLS V1.7 *****
Authorized!
need_auth= 0, need_mac_write= 0, need_conn_test= 0, need_cfg_write= 0
uart_device= 1, uart_baudrate= 115200, mac=, CFG_file=
connect ssid= HF-A11-Liu, limit_rssi= 30
Press '?' : generate a config bin for production.
Press 'H' : generate a config bin for HTTP update.

Press any key to continue, 'q' to exit!
```

3、 Press 'H' to generate configure file, it is "lpb_cfg.bin" in "data" directory.



```
***** LPB_MASS_TOOLS V1.7 *****
Authorized!
need_auth= 0, need_mac_write= 0, need_conn_test= 0, need_cfg_write= 0
uart_device= 1, uart_baudrate= 115200, mac=, CFG_file=
connect ssid= HF-A11-Liu, limit_rssi= 30
Press '!' : generate a config bin for production.
Press 'H' : generate a config bin for HTTP update.

Press any key to continue, 'q' to exit!
Waiting bootup.....
```

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