

MKS-HLKWIFI

Overview

MKS-HLKWIFI is created by MakerBase based on HLK-RM04 module, which is suitable for open-source 3D printer . Also, MKS-HLKWIFI is used for MKS Base(updated version 1.2), MKS Gen, MKS Mini, MKS SBase ,etc, those are developed by MakerBase ,as well as MKS TFT touch screen .

Features

1. Based on strong and stable HLK-RM04 module.
2. Using on MKS motherboard directly .
3. Work with MKS TFT touch screen.

Notice: Due to undercurrent, MKS HLKWIFI can not work with Ramps1.4.

Website: www.makerbase.com.cn Database: <https://github.com/makerbase-mks>

E-mail: 2228481602@qq.com ;529442067@qq.com; 4164049@qq.com;

Address: Room C407,He Jing Industrial Design Science and Technology Park,No. 23 Guangzhou Road, Liwan District East Sha Industrial Zone, Guangzhou, PRC.

MKS HLKWIFI Photo



Connection

1. Connect to Aux-1 of MKS TFT28;
 2. Connect to Aux-1 on MKS Base, MKS MINI, MKS SBase, MKS Gen.
- MKS Base only supports V1.2 or above updated version.

Appendix 1

Usage on Motherboard

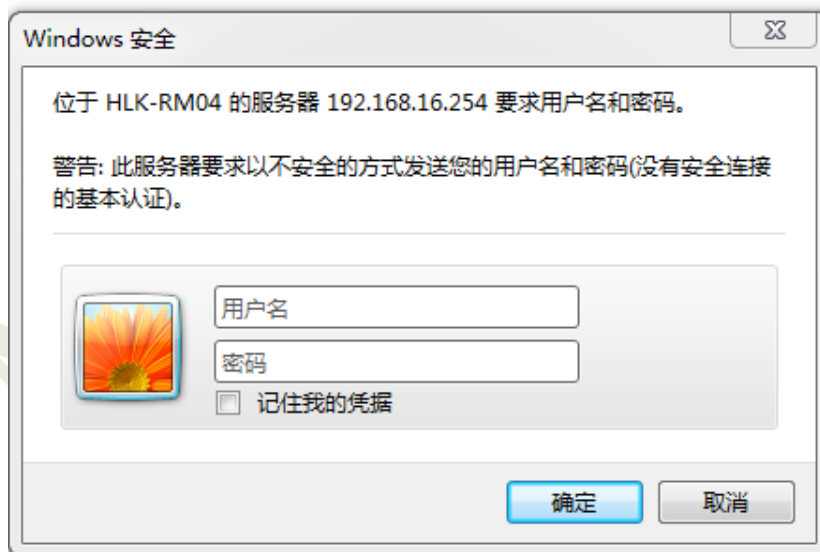
1. Connect WIFI module to AUX-1
2. Search for WIFI hotspot and connect.

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- 1).Search hotspot HI-LINK-XXXX, and connect. **Password: 12345678;**
- 2).If you can not find the hotspot , press on button of module for 10 seconds, then restore factory settings.
- 3).Attention: under default , the baud rate of the MKS HLKWIFI is 115200, which must be as the same as firmware baud rate setting.

3. configuration on HLKWIFI

- 1).After enter HI-LINK-XXXX, connect to IP: http://192.168.16.254.
- 2).Log in : **accounts: admin; password : admin.**
- 3).Proceed network configuration and adjust the Client at your requirements.
- 4).Any other problem, please refer to HLK-RM04 user's manual 1.31.pdf.



Hi-Link™

WIRELESS-N ROUTER IEEE 802.11

English 简体中文

HLK-RM04

串口-网络参数配置

高级设置

串口2参数设置

系统管理

串口-网络参数配置

网络模式:

默认

无线网络名称:

HI-LINK_A3CD

密码:

12345678

	当前配置	更新配置
串口配置:	115200,8,n,1	115200, 8, n, 1
串口组帧长度:	64	64
串口组帧周期:	10 毫秒	10 毫秒 (< 256, 0-无限长)
网络协议模式:	server	服务器 (Server)
本地远端 服务器域名/IP:	192.168.11.245	192.168.11.245
本地远端 端口:	8080	8080
网络协议选择:	tcp	TCP
TCP网络超时:	0 秒	0 秒 (< 256, 0-无限长)

确定

取消

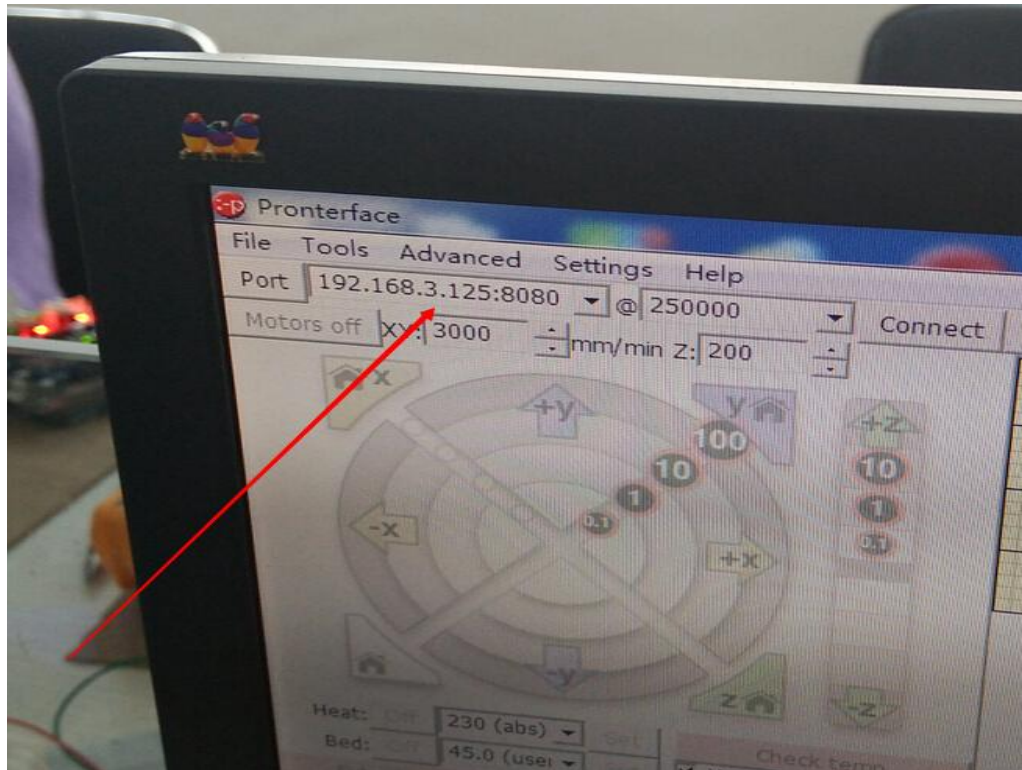
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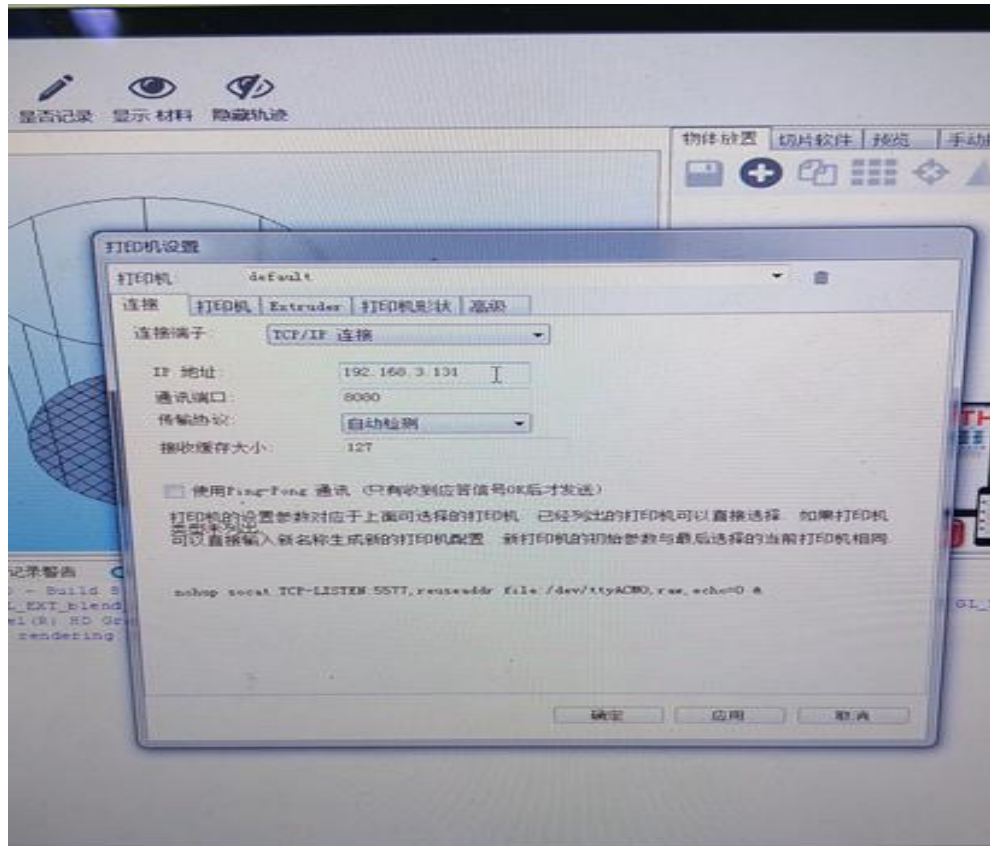
Use Printron to Print by Remove Control

Input WIFI IP : 192.168.16.254:8080



Use Repetier-Host to Print by Remote Control

Choose TCP/IP connection terminal

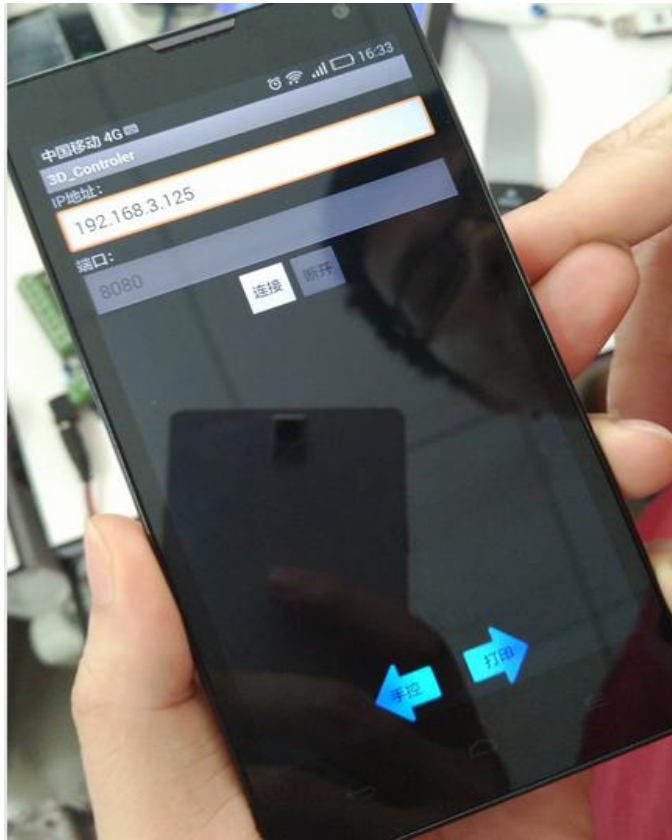


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Use APP to Control Printer



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Appendix 2

MKS HLKWIFI Work With MKS TFT28 Touch Screen

mks_config.txt Wifi configuration (MKS TFT28 only supports V1.1 updated version)

1.The Wifi mode selection

Change the value behind the colon of "cfg_wifi_mode" into the Wifi network you need ("1" is AP mode, "0" is client mode) .

2. The wifi configuration of client mode

A. wifi name: change the Wifi name behind the colon of "cfg_wifi_ap_name" into your wireless network.

B. wifi password: change the Wifi password behind the colon of "cfg_wifi_key_code" into your wireless network's password.

C. Dynamic accessing IP: set the value behind the colon of "cfg_ip_dhcp_flag" into you need ("0" indicates static IP, "1" indicates dynamic IP).

D.IP: change the IP behind the colon "cfg_ip_address" into you need.

E. IP mask: change the IP mask behind the colon of "cfg_ip_mask" into you need.

F. Gateway IP: change the gateway behind the colon of "cfg_ip_gate" into you need.

3.Wifi configuration instruction on AP module

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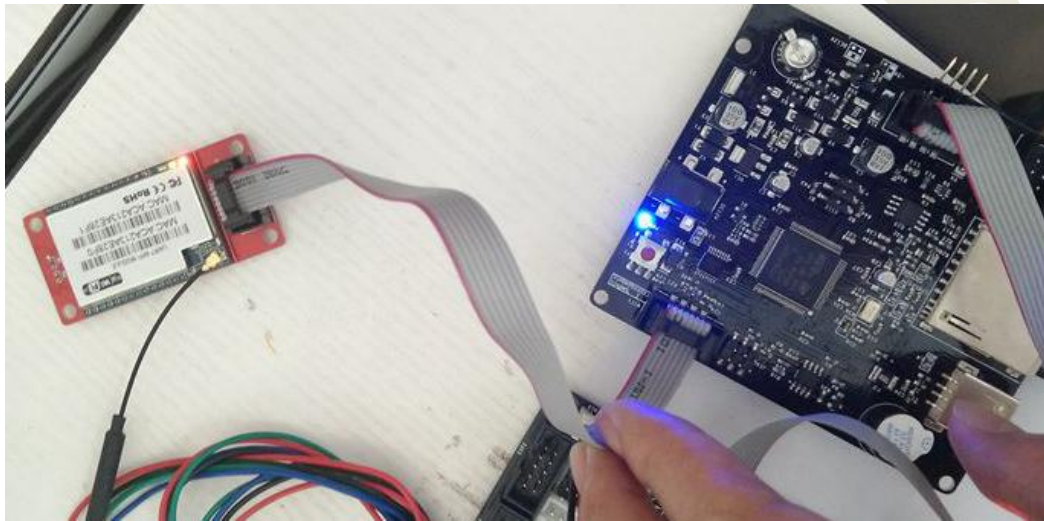
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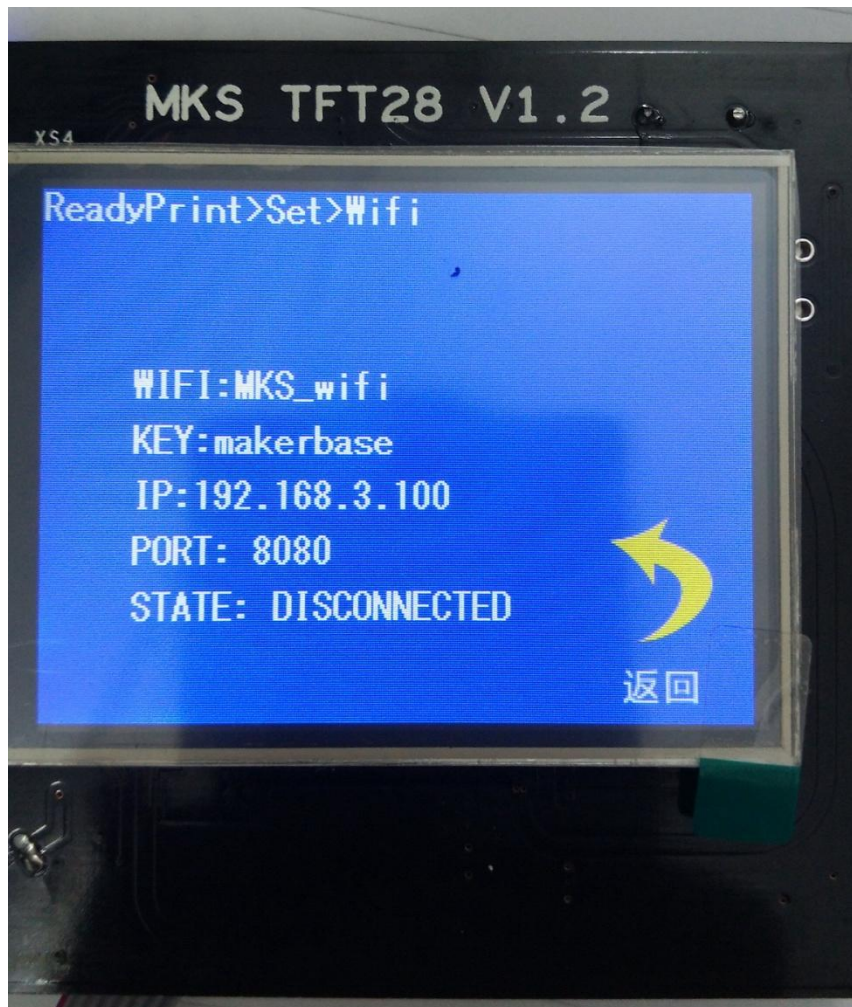
A. Wifi name : change the WIFI name behind “cfg_wifi_ap_name” into the hotspot name you need .

B. WIFI password : change the WIFI password behind “cfg_wifi_key_code” into password of wifi hotspot, and save it .

Connect to Wifi Module



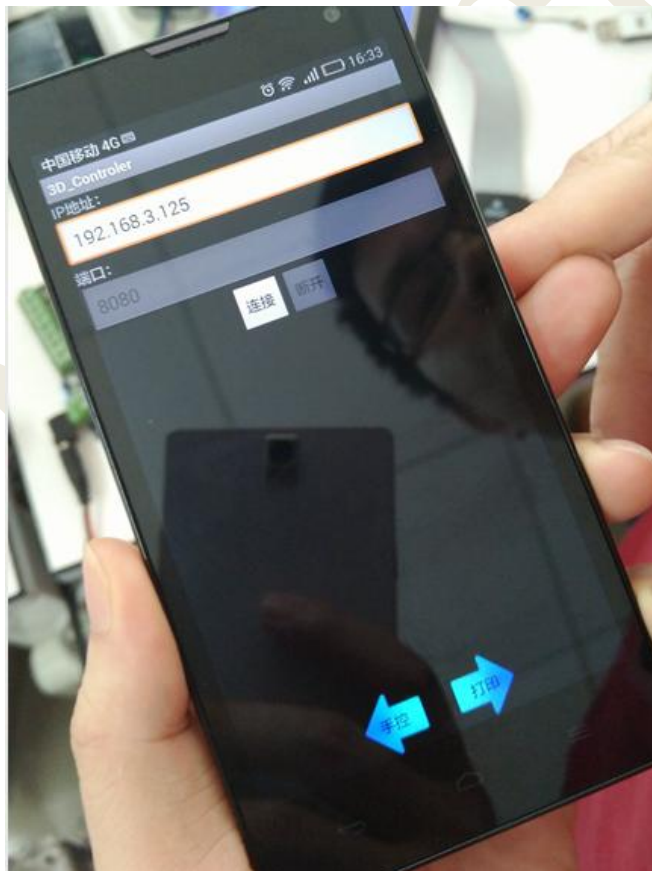
Check the network: disconnected



Connected



Use APP to Control Printer



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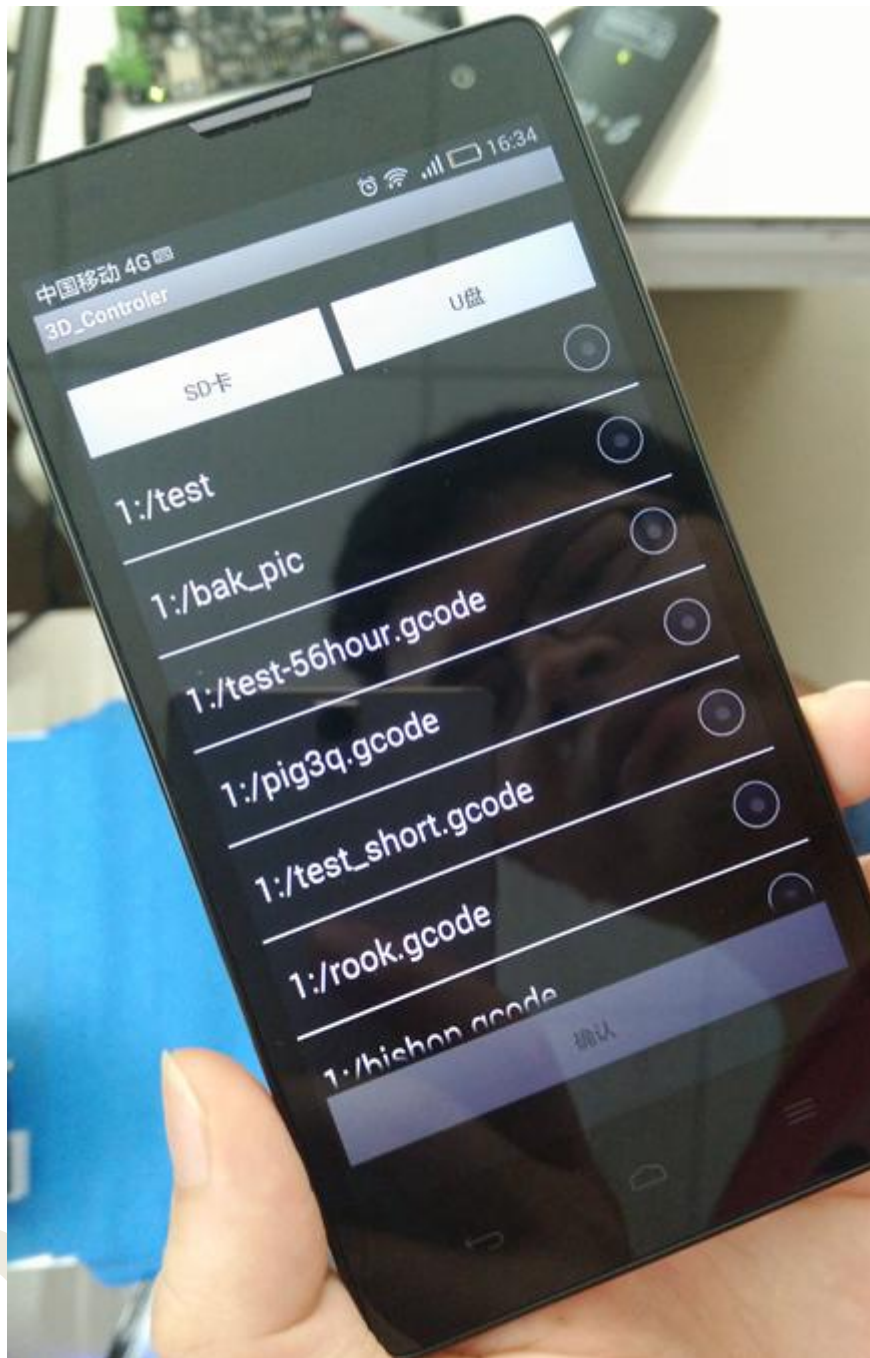


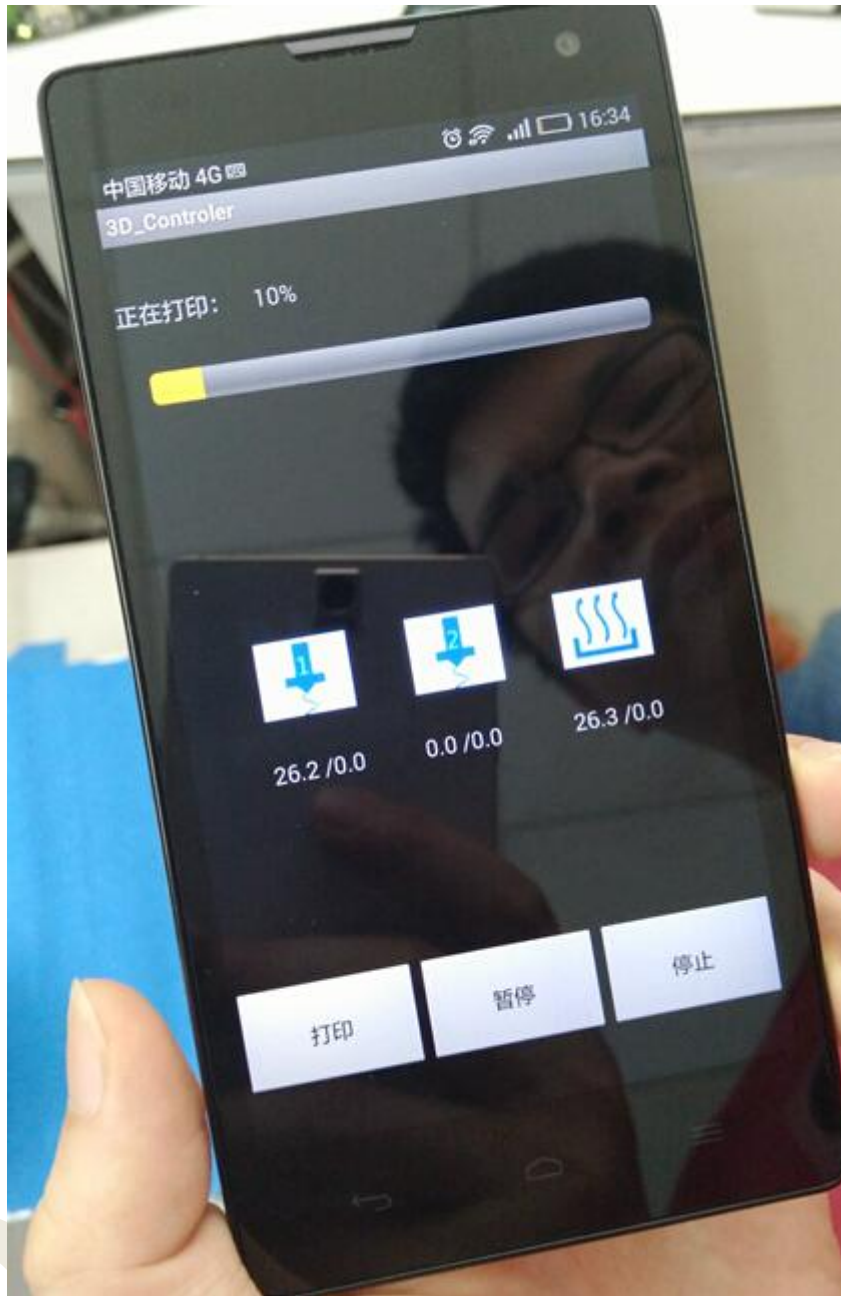
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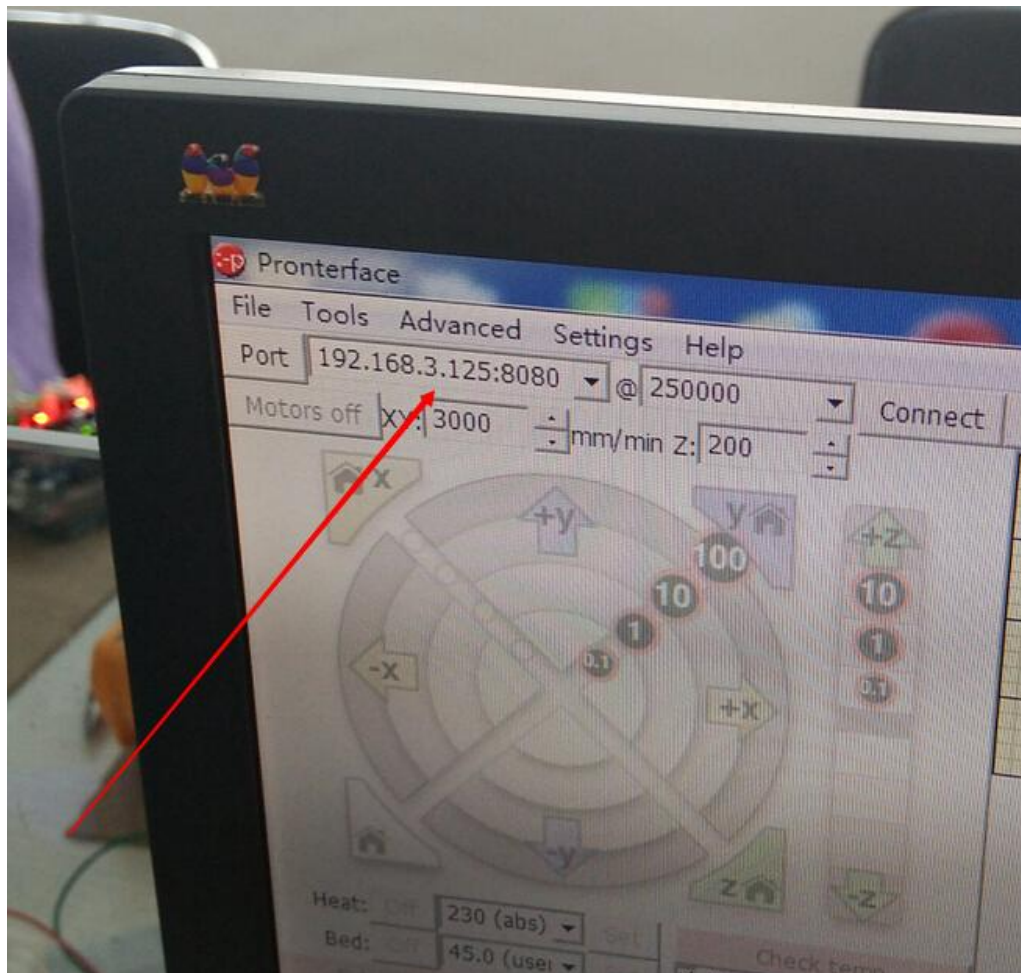
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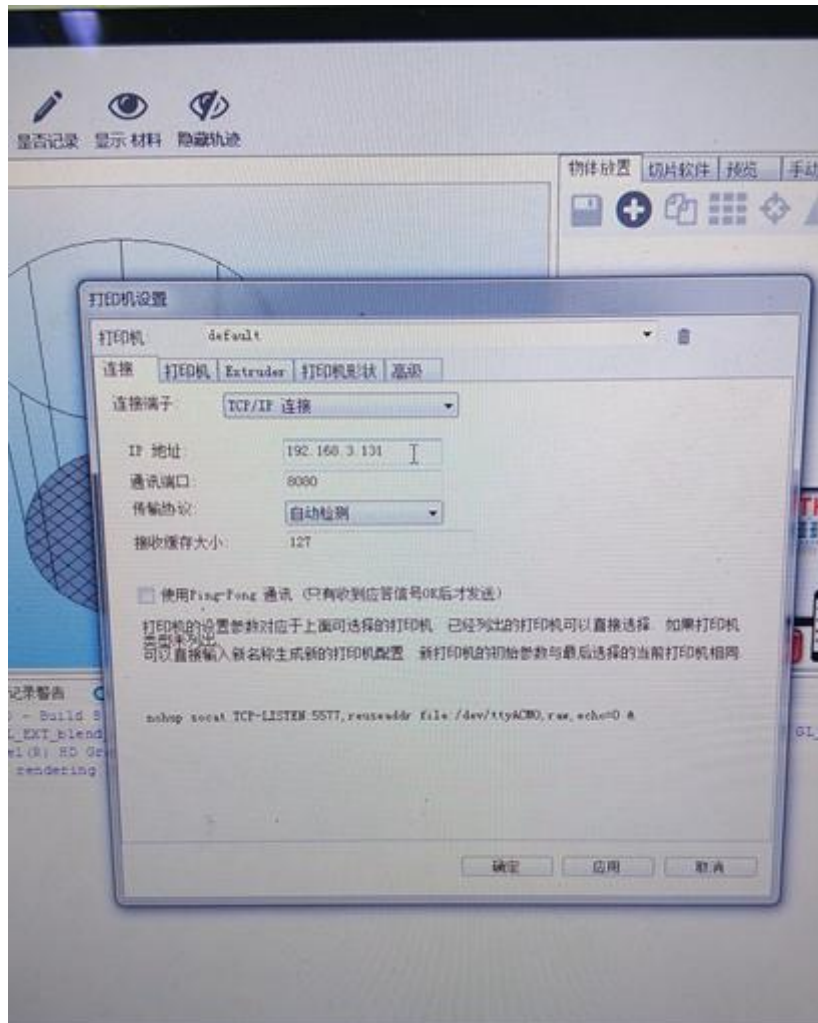
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