

# MKS-HLKWIFI

## Overview

MKS-HLKWIFI is created by MakerBase based on HLK-RM04 module, which is suitable for opensource 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. Used with MKS TFT touch screen.

## MKS HLKWIFI Photo



## Connection

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

## Appendix 1

### Usage on Motherboard Series

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

Website: [www.makerbase.com.cn](http://www.makerbase.com.cn) Database: <https://github.com/makerbase-mks>  
E-mail: 2228481602@qq.com ;529442067@qq.com; 4164049@qq.com;  
Address: Room 2110, No2 Building , Runnong Business center, No. 2, Huangcun avenue,Tianhe district ,  
Guangzhou City,PRC

- 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 wifi module is 115200, which must be as the same as firmware baud rate setting.

### 3. configuration on WIFI module

- 1).After join in HI-LINK-XXXX, connect to IP: <http://192.168.16.254>; Enter into configuration page.
- 2).Log in : **accounts: admin; password : admin.**
- 3).Proceed network configuration you need. You can modify the Client you 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

## Use Printrun to Remove Control Printer

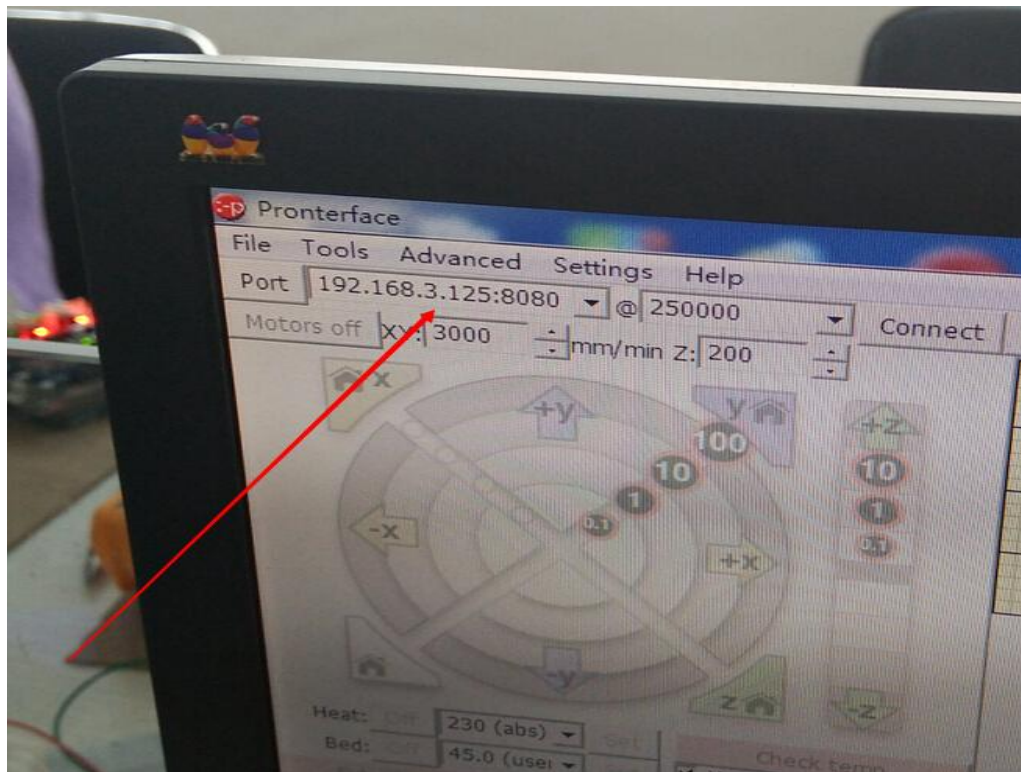
Input WIFI IP : 192.168.16.254:8080

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## Use Repetier-Host Remove Control Printer

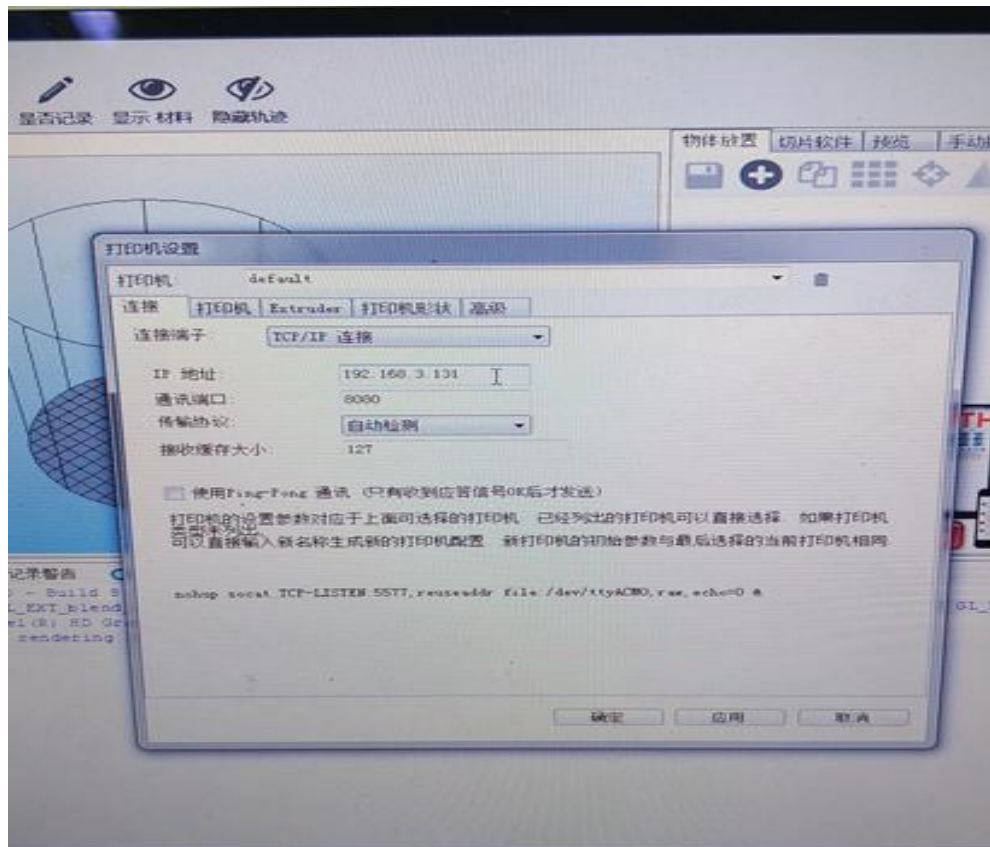
Choose TCP/IP connection terminal

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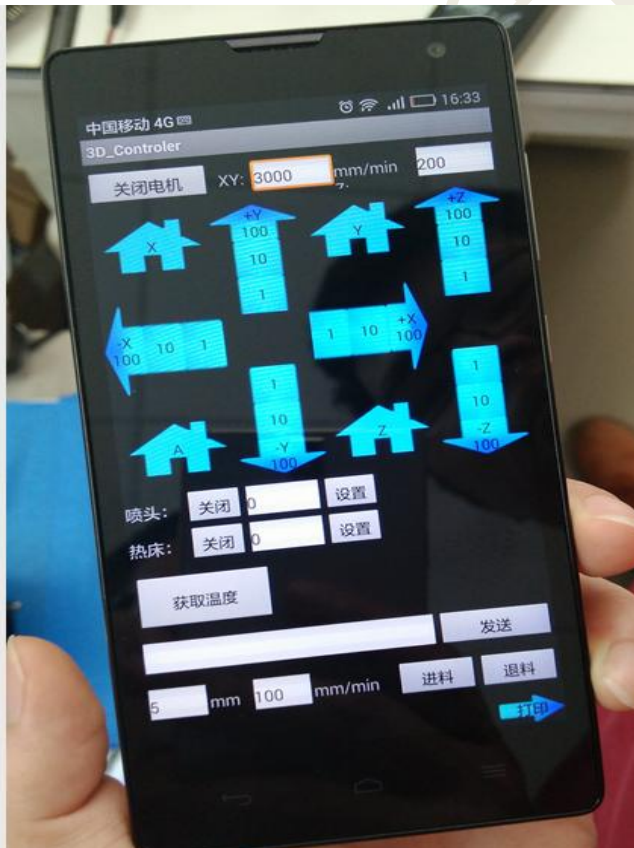
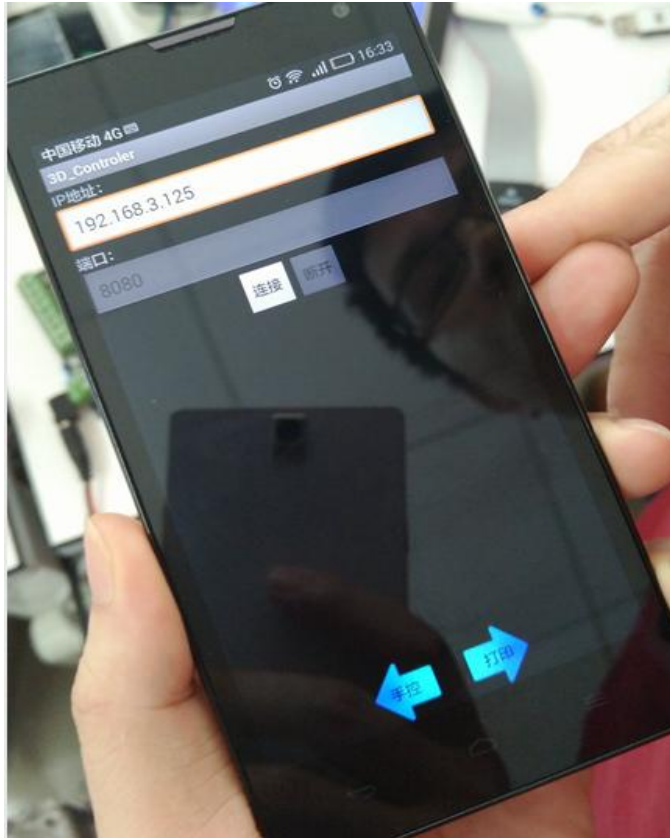
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## Use APP to Control Printer

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## Appendix 2

### The Direction For Use 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 after 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 after the colon of the field "cfg\_wifi\_ap\_name" into the name of your wireless network.

B. wifi password: change the Wifi password after the colon of the field "cfg\_wifi\_key\_code" into your wireless network' password.

C. Dynamic accessing IP address: set the value after the colon of the field "cfg\_ip\_dhcp\_flag" into what you need ("0" indicates static IP address, "1" indicates dynamic IP address).

D.IP: change the IP address after the colon of the field "cfg\_ip\_address" into what you need.

E. IP mask: change the IP address mask after the colon of the field "cfg\_ip\_mask" into what you need.

F. Gateway IP: change the gateway after the colon of the field "cfg\_ip\_gate" to what you need.

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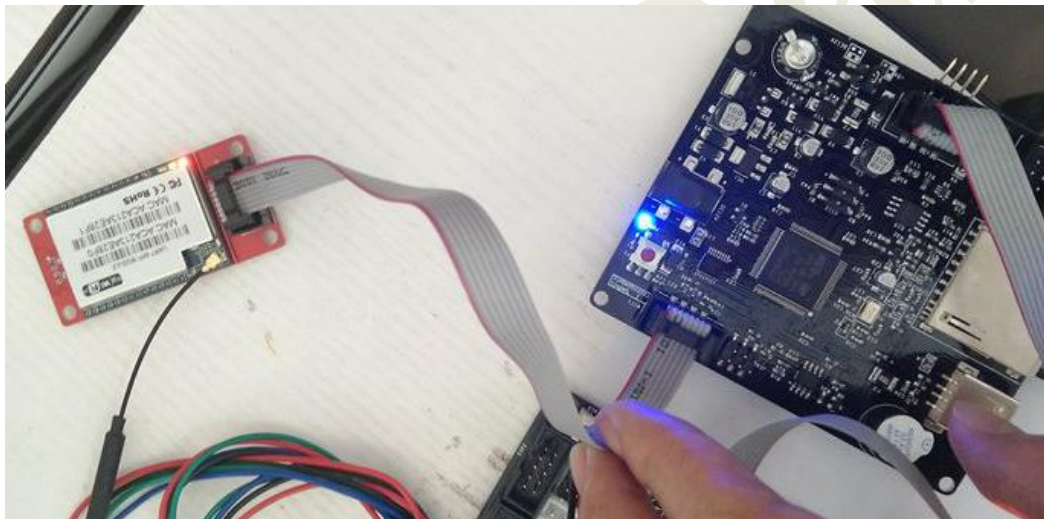


### 3.Wifi configuration instruction on AP module

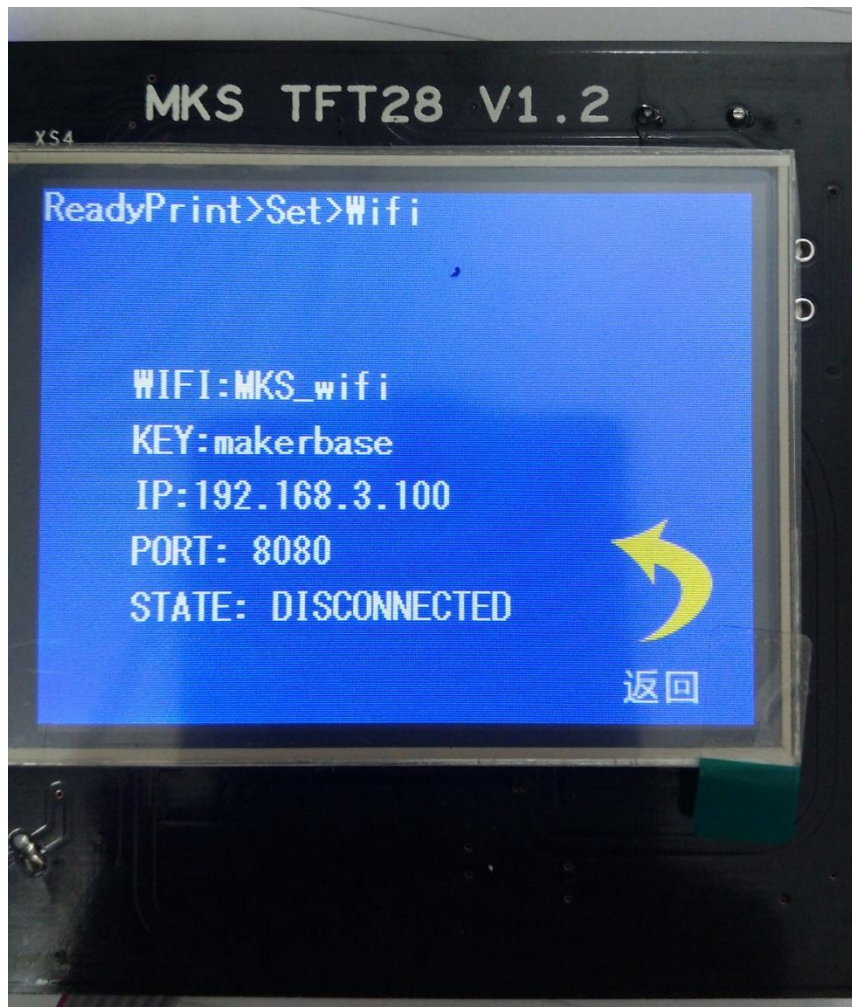
A. Wifi name : change the WIFI name after the colon of the field “cfg\_wifi\_ap\_name” into the hotspot name you need .

B. WIFI password : change the WIFI password after the colon of the field “cfg\_wifi\_key\_code” into password of wifi hotspot, and save it .

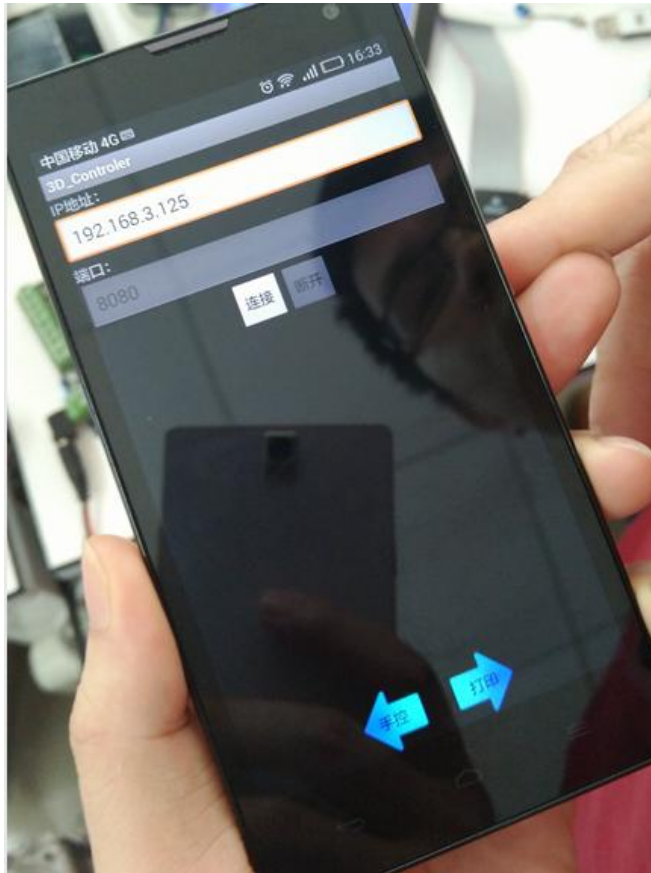
#### Connect to Wifi Module



**Check network setting, wait state turns into connection**



## Use APP to Control Printer



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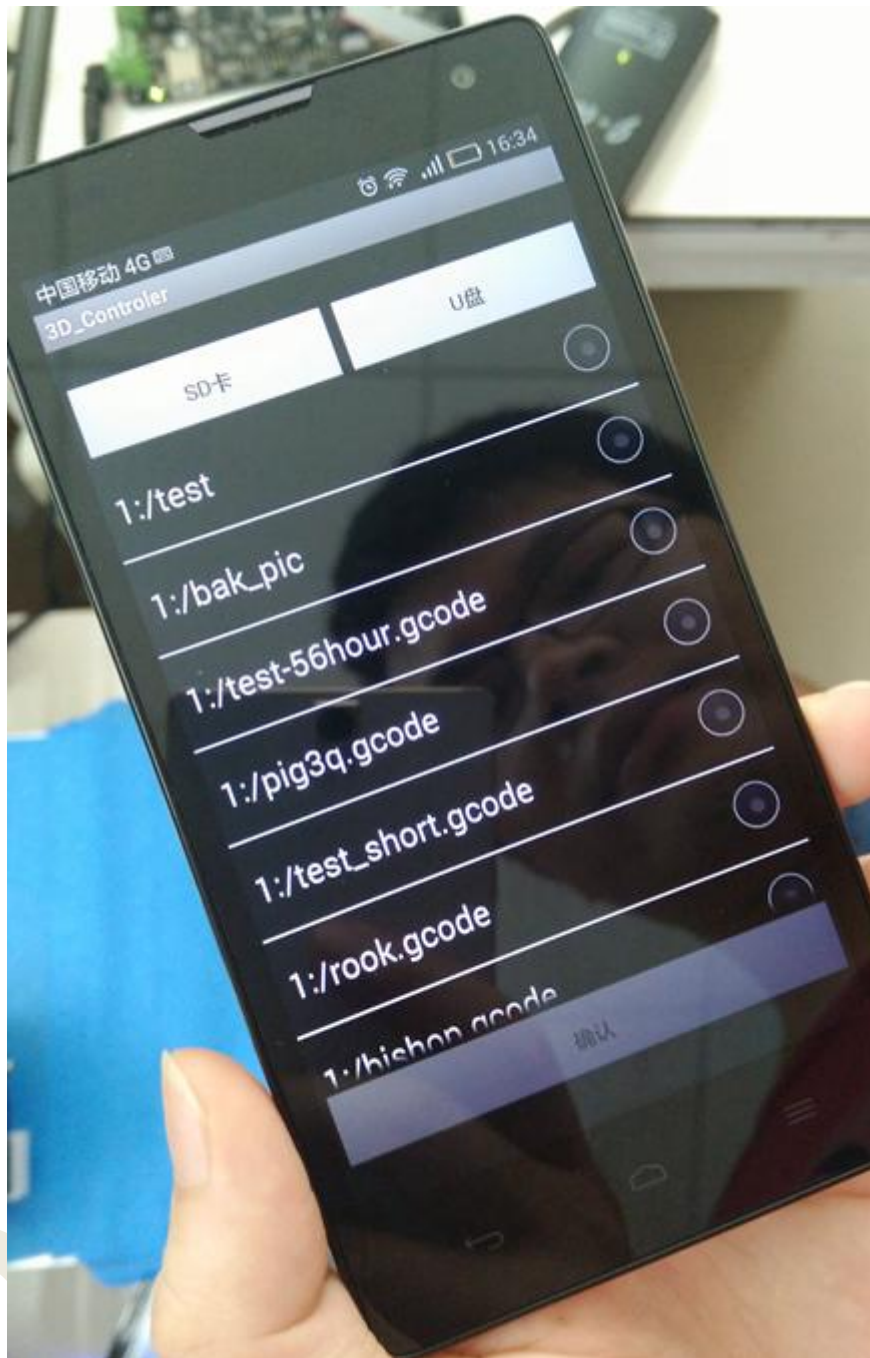
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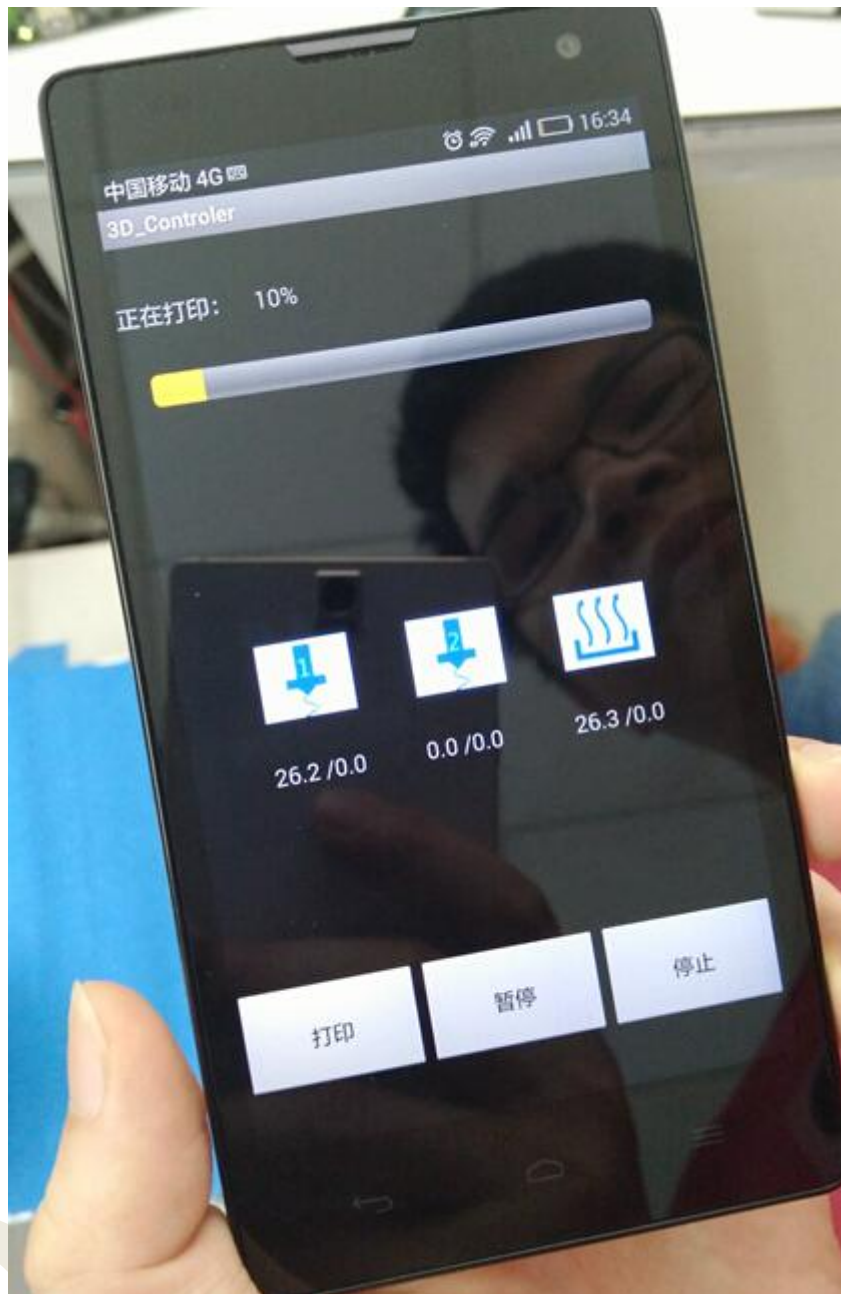
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## Use Printron Remote Control Printer

Input WIFI IP:8080 at poort

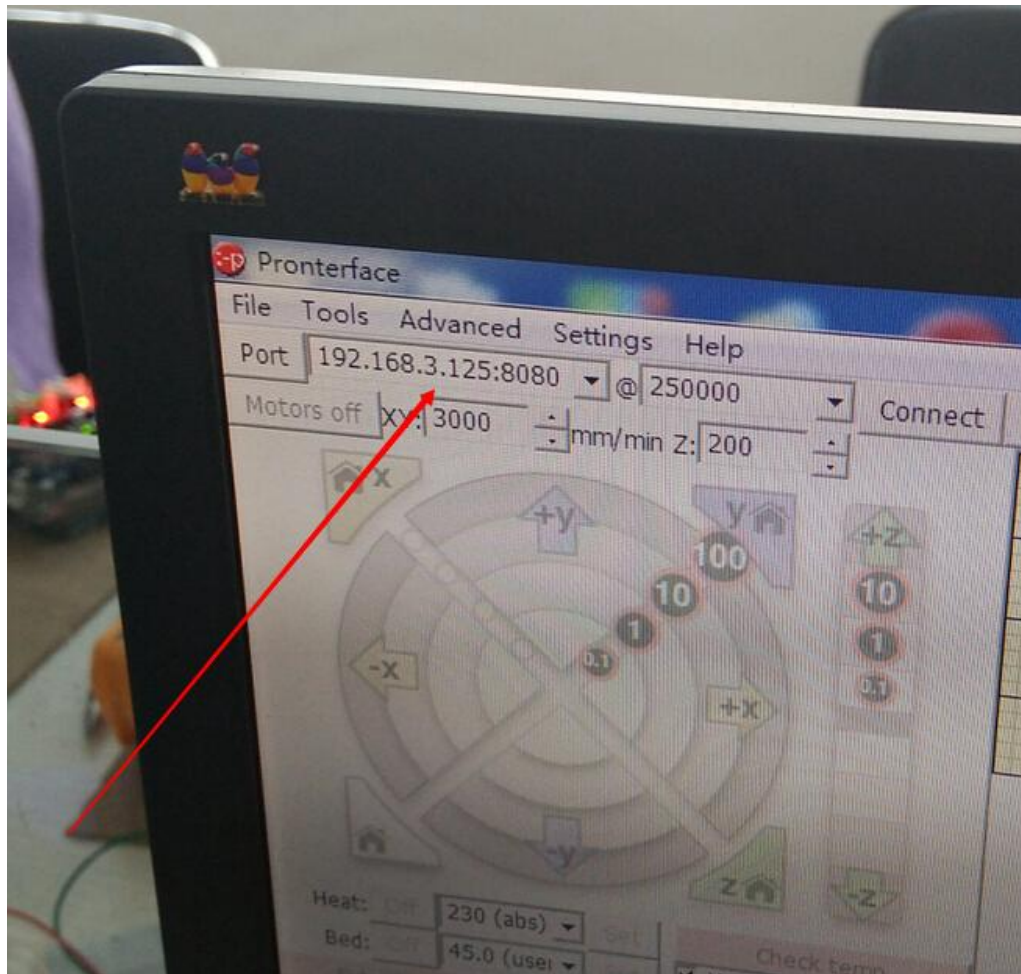
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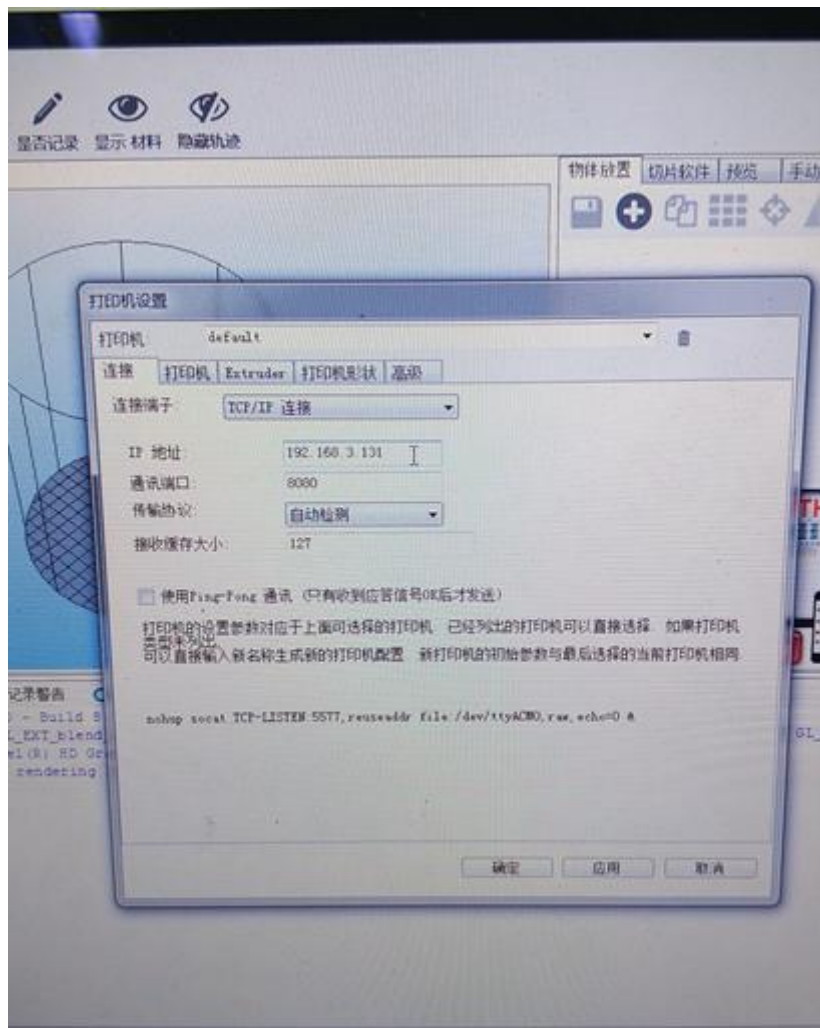




## Use Repetier-Host Remote Control Printer

Choose TCP/IP connection

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