Makerbase

广州谦辉信息科技有限公司

Guangzhou Qianhui Information Technology Co.,Ltd.

MKS TFT Robin Wifi Module **Manual**

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Version update

|	Version	Modified time	Modified content
1	V1.0	2018.7.5	Initial version
2			
3			
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Ⅰ　MKS TFT WIFI MODULE

MKS TFT WIFI is a WIFI module developed by Maker base R&D personnel based on ESP8266 chip. It can be used on MKS TFT24/MKS TFT28/MKS TFT32/MKS TFT35/MKS TFT70 touch screen. It has low price, small size and fast transmission speed. Transfer file printing, cloud service printing and other functions, suitable for printers with MKS touch screen.

1.1　MKS TFT WIFI module and TFT series touch screen connection diagram

（1）　WIFI module and TFT24 touch screen connection diagram
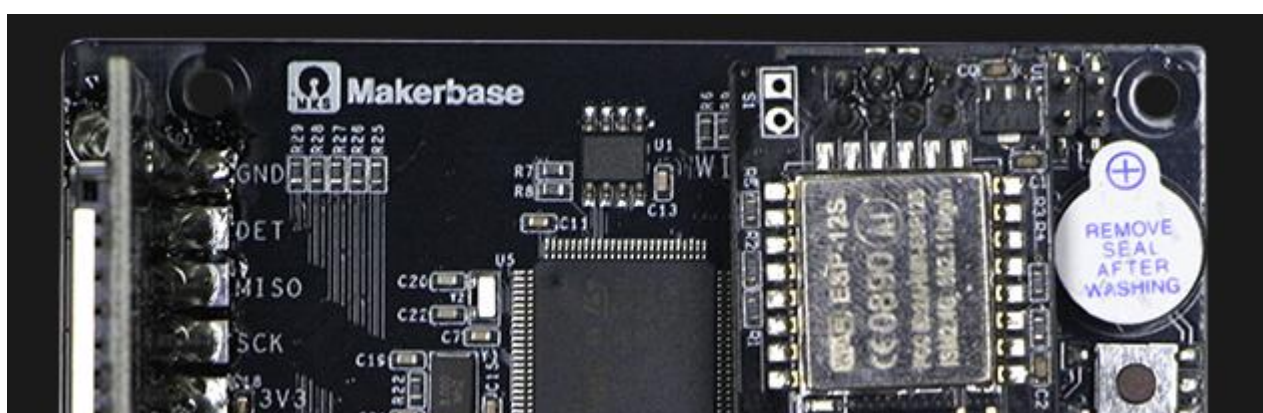
（2）　WIFI module and TFT28 touch screen connection diagram
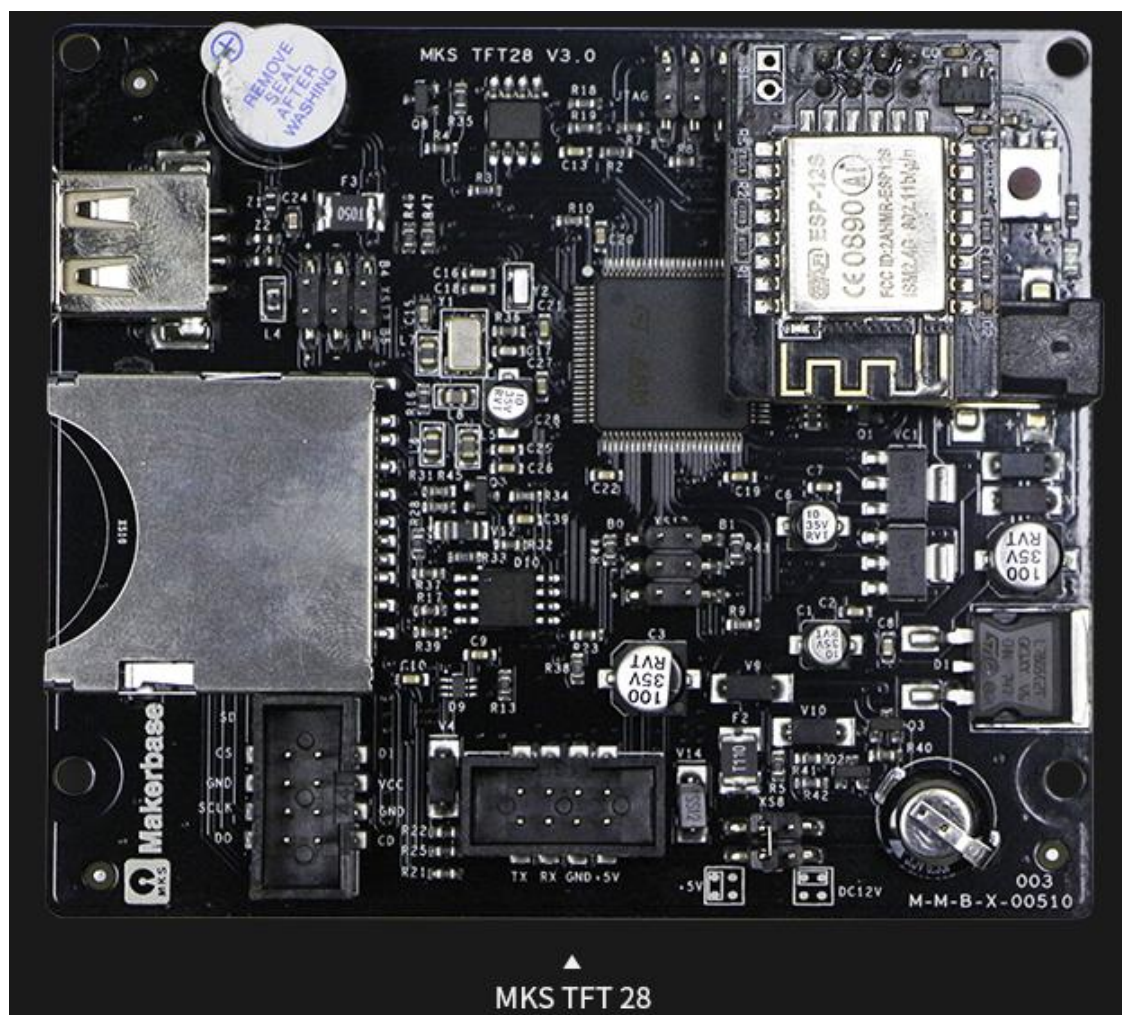
（3）　WIFI module and TFT32 touch screen connection diagram
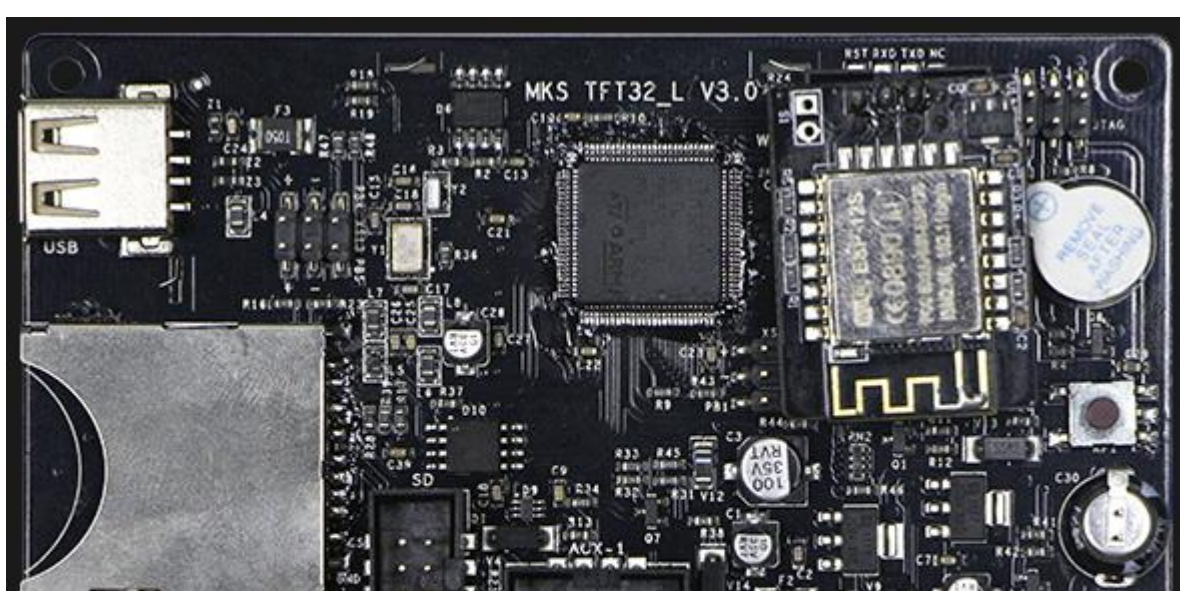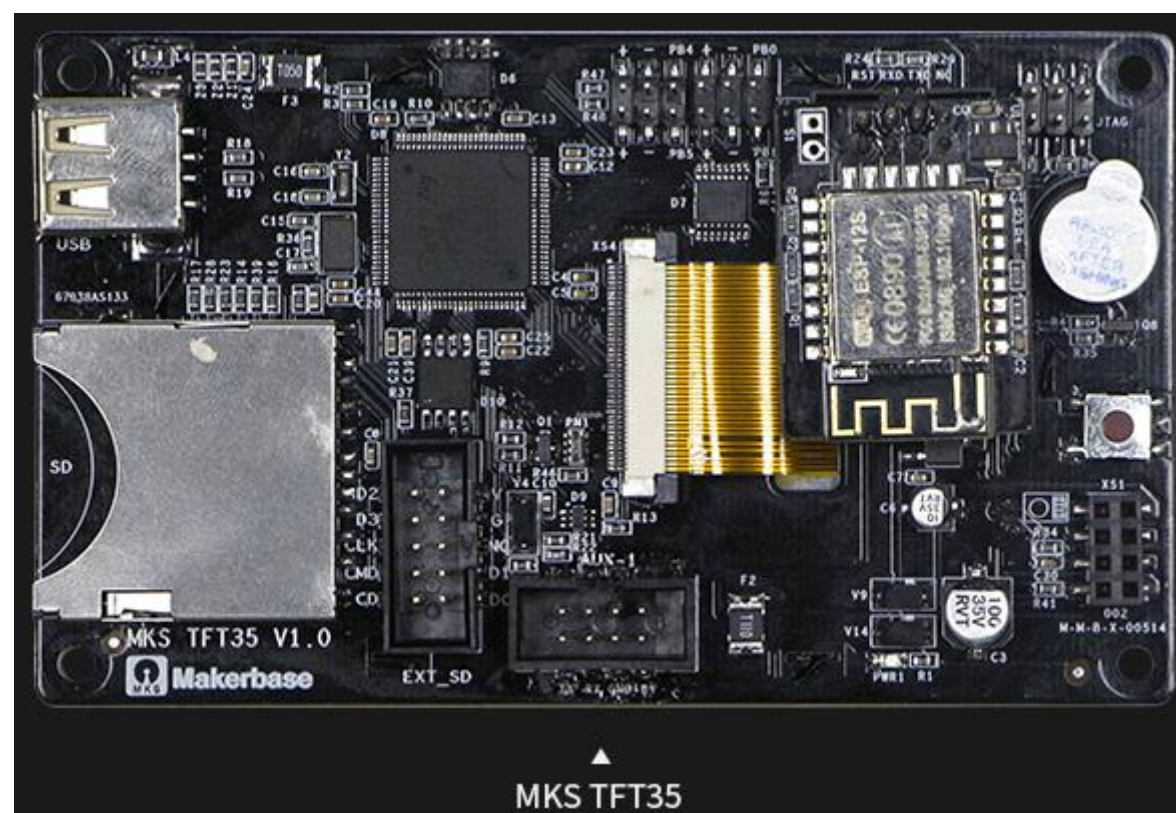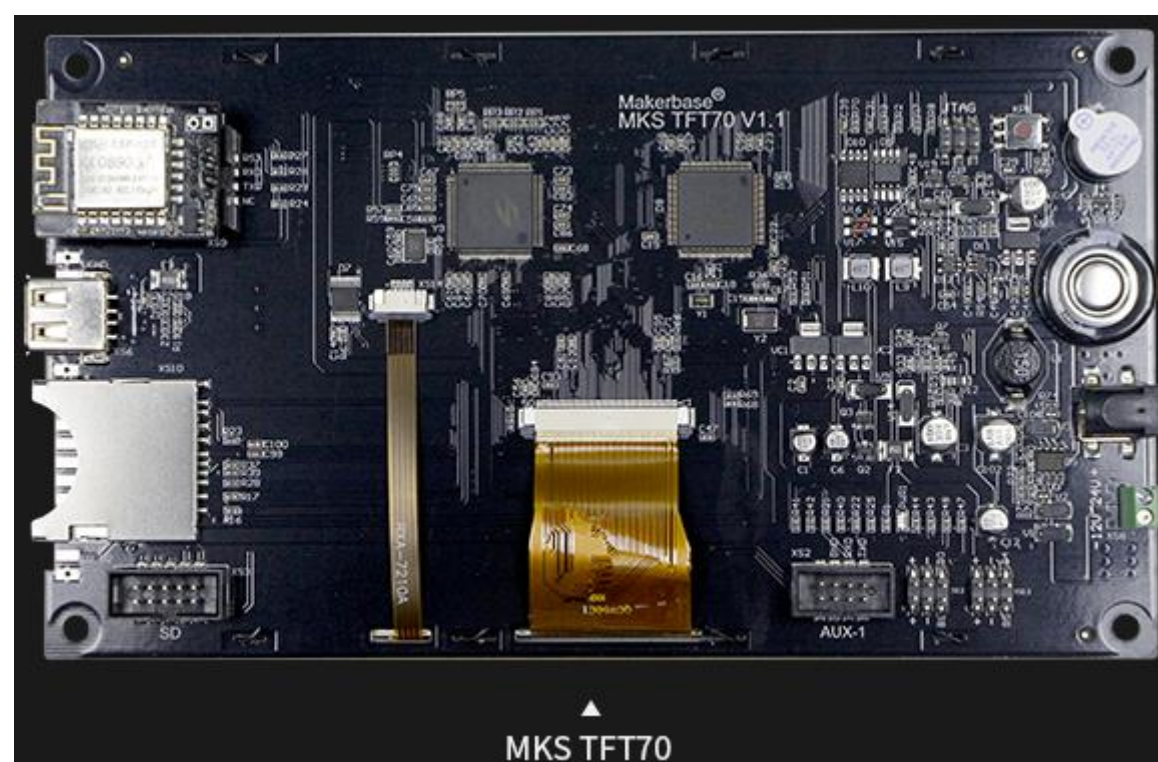
（4） WIFI module and TFT35 touch screen connection diagram

MKS TFT35

（5） WIFI module and TFT70 touch screen connection diagram


MKS TFT70

1.2　　Introduction to Print Mode

1. Cloud Print Mode: Recommended for use in a WiFi router environment with Internet access. Once you have a network connection to the WiFi module, the printer becomes the online printer on the cloud.Access to the app or control printer anywhere in the world. can also be in the local area network through the host computer (Printrun, etc.) to control the printer.

2. LAN Print Mode: Recommended in the case of a WiFi router, but the router is not available on the Internet or the network is slow (the cloud Print mode printer responds too slowly).

3．AP printing mode:When the printer is in an environment where there is no WiFi router, the WiFi module is not configured, the WiFi module is configured, but the network environment is not good enough to connect to the router, the above three cases are entered by default.At this time the WiFi module will produce hot "mkswifi-xxxx" (open hotspot, no password), you can access the hotspot through the app, browser, host computer (Printrun, etc.) to control the printer.

4．WebServer print mode: special mode, not recommended. This mode also controls the printer in the LAN. It can be controlled by the computer's Web, transfer files, print, etc. It can't use the APP control. You need to brush the Web version firmware to use it.

1.3　　Cloud Print Mode

1　　.Network Diagram
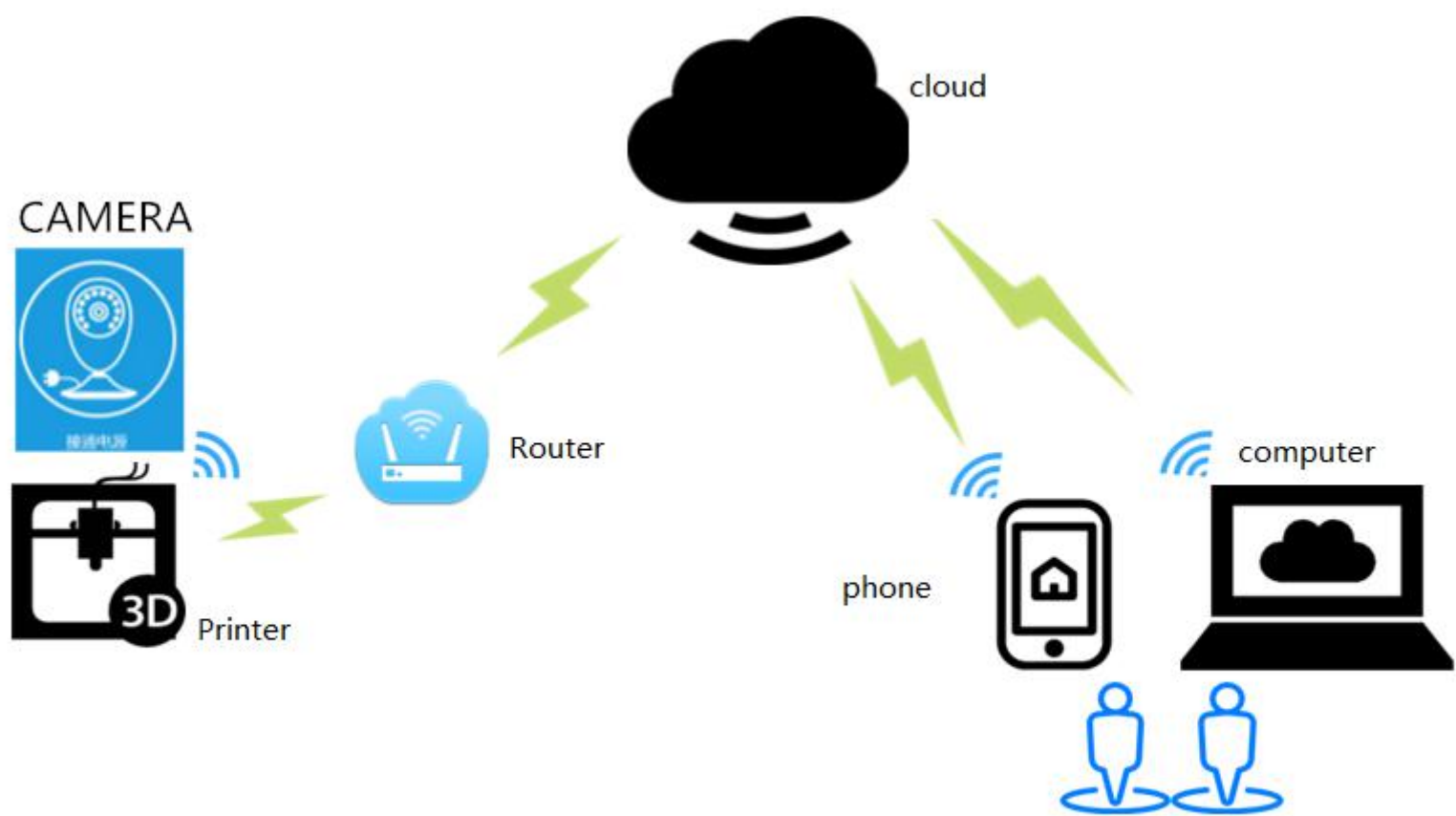
Features: Can control printers anywhere in the world by app.

.WiFi setting

The WiFi configuration options in the configuration file are shown in the following table:

Mks_config.txt	Description
#wifmodel(0:MKS WIFI TFT 1:MKS HLK-WIFI) >cfg_wifi_type:0	
#wifi mode(0:sta;1:ap) >CFG_WIFI_MODE 0	Set WiFi mode to STA mode
#wifi name >CFG_WIFI_AP_NAME MKSWIFI	Set the WiFi name to the name of the router you want to connect to
#wifi password >CFG_WIFI_KEY_CODE MAKERBASE	Set the WiFi password to the router password you want to connect to
#cloud service enable(0:disable 1:enable) >cfg_cloud_enable:1 #cloud server url >cfg_wifi_cloud_host:www.baizhongyun.cn #cloud server port >cfg_cloud_port:10086	The default settings can be

Attention ： Our MKSCloud APP only supports MKS WIFI and does not support HLK WIFI. Therefore, only the configuration of 0 in TFT configuration can use MKSCloud APP control.

（3）   APP print

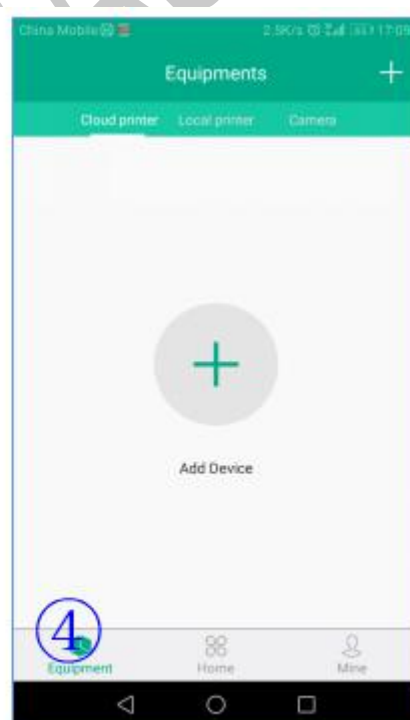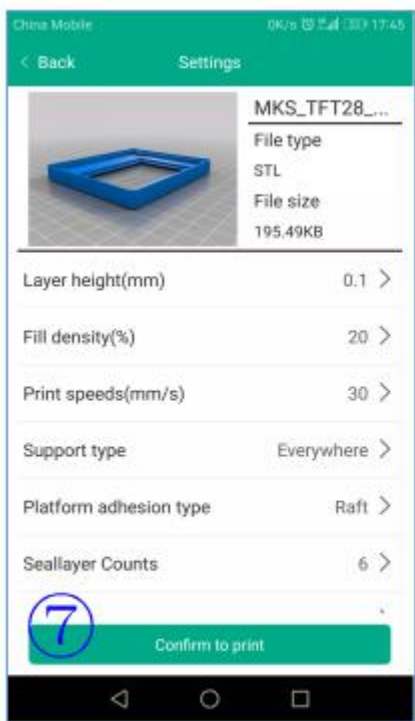Download MKSCloud App

Installation

login
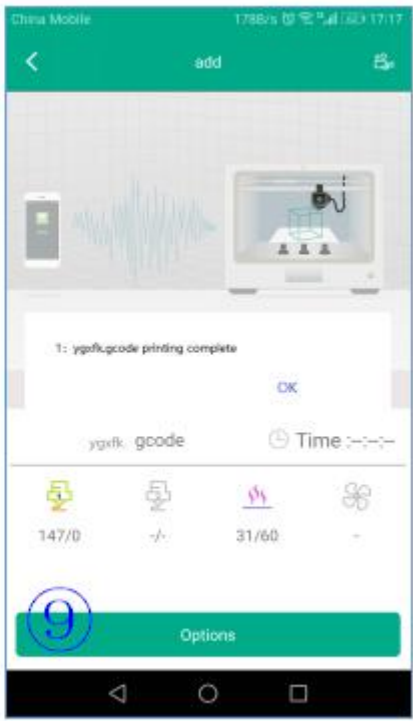

Model Preview Interface

Printer bindings

Add Printer page
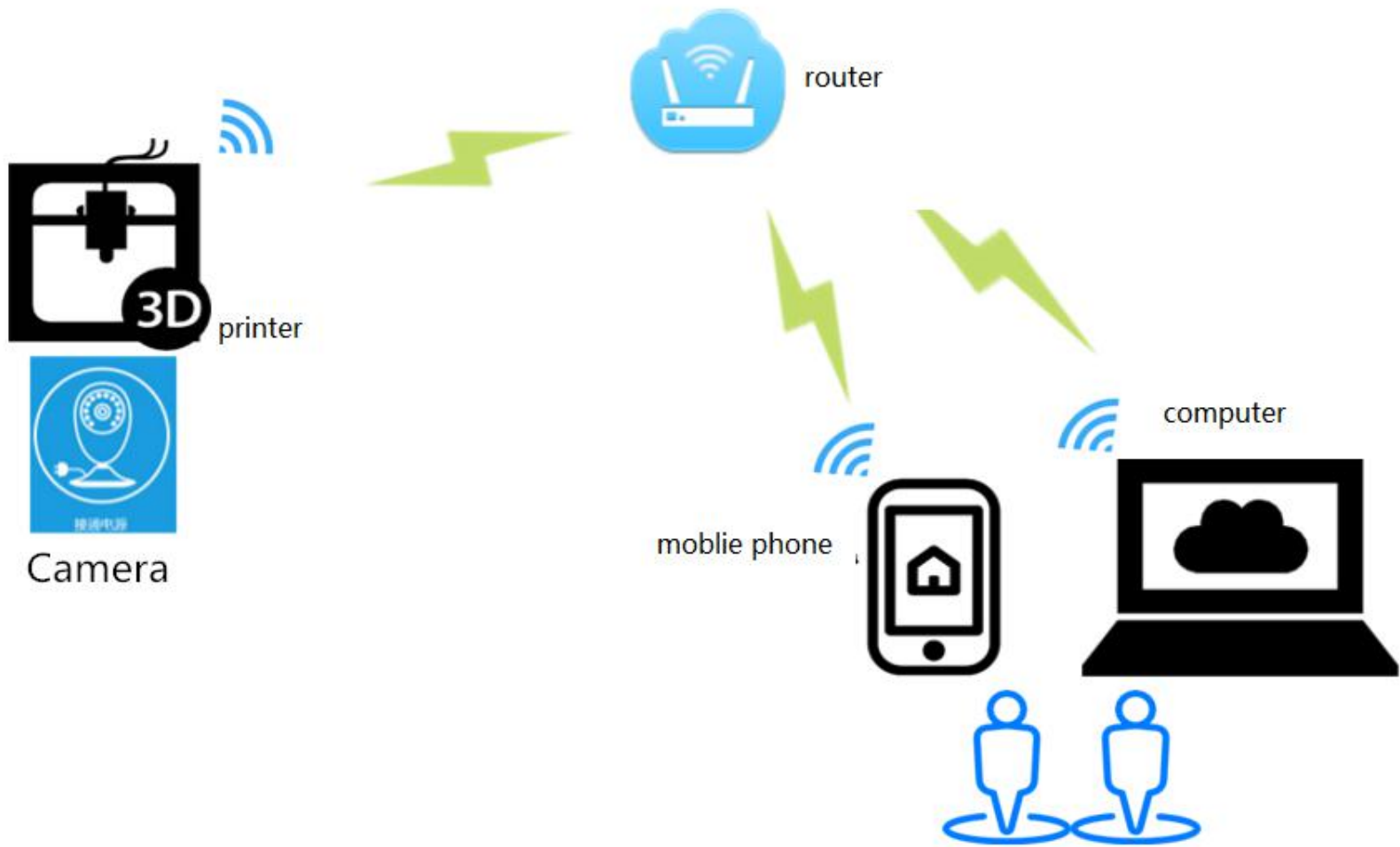
Adjust the Print Parameters page　　　Printing pages　　　Print complete

1.4　LAN　printing

（1）　Network Diagram
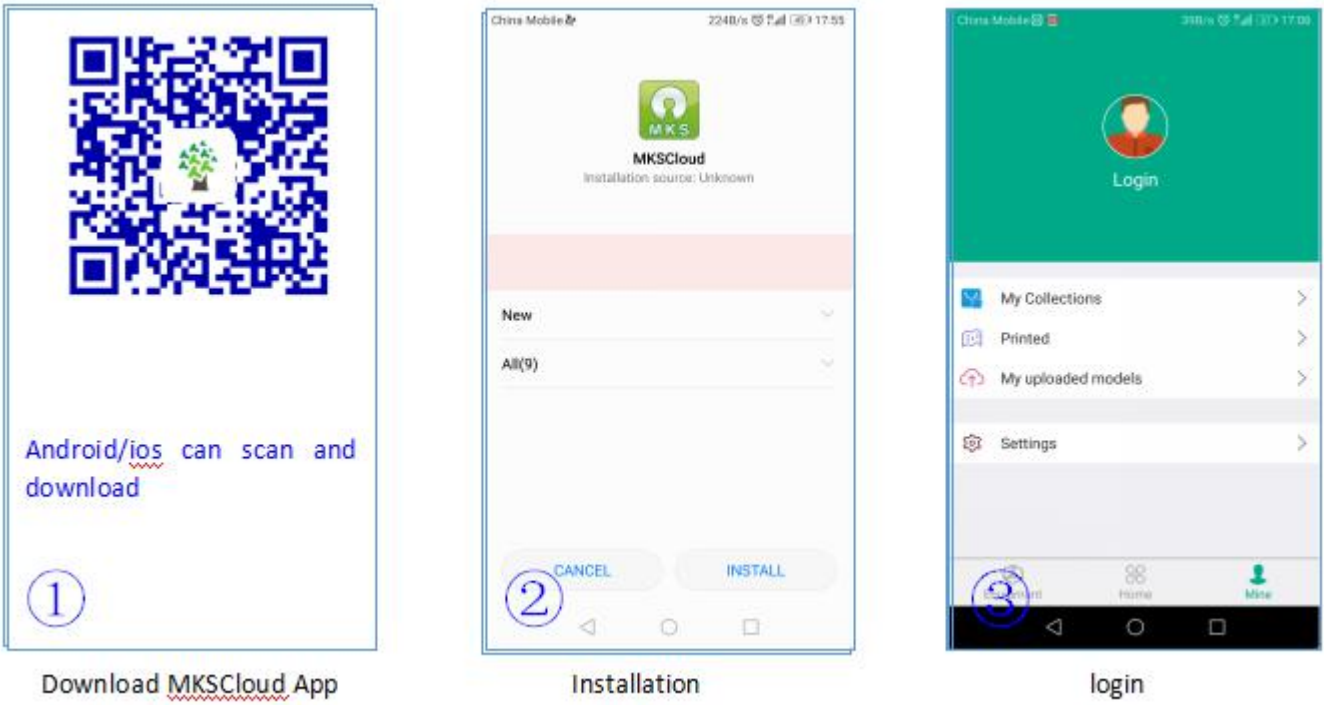

Features: Can control printer in LAN
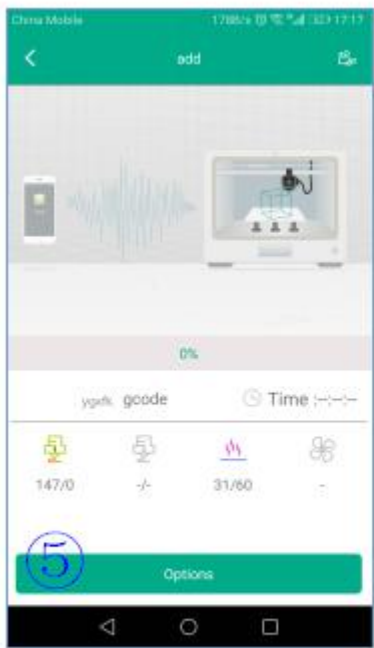
（2）　WiFi setting

The WiFi configuration options in the configuration file are shown in the following table:

Mks_config.txt	Description
#wifmodel(0:MKS WIFI TFT　1:MKS HLK-WIFI) >cfg_wifi_type:0	
#wifi mode(0:sta;1:ap) >CFG_WIFI_MODE　　0	Set WiFi mode to STA mode
#wifi name >CFG_WIFI_AP_NAME　test	Set the WiFi name to the name of the router you want to connect to
#wifi password >CFG_WIFI_KEY_CODE　　12345678	Set the WiFi password to the router password you want to connect to
#cloud service enable(0:disable　1:enable) >cfg_cloud_enable:1 #cloud server url >cfg_wifi_cloud_host:www.baizhongyun.cn #cloud server port >cfg_cloud_port:10086	It is recommended to disable the cloud services,when LAN control. Other parameters can be used by default.

Attention ： Our MKSCloud APP only supports MKS WIFI and does not support HLK WIFI. Therefore, only the configuration of 0 in TFT configuration can use MKSCloud APP control.
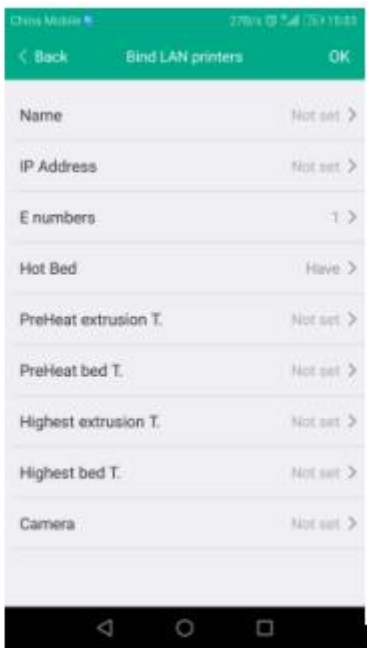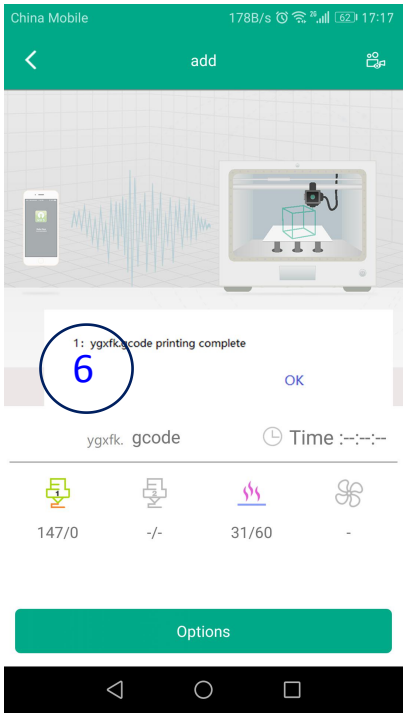
（3） APP print

Download MKSCloud App　　　　　Installation　　　　　login
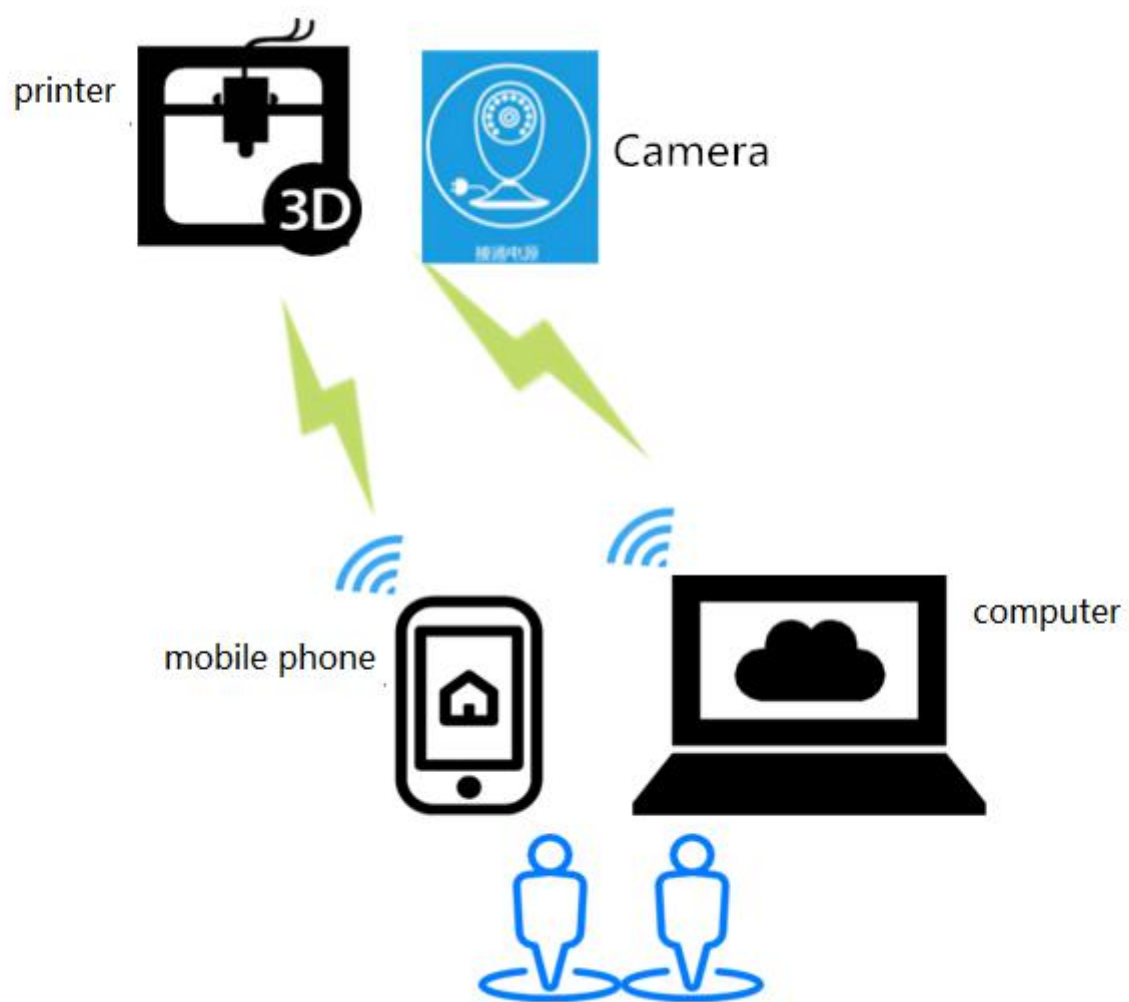
Printing interface

choose the file

add the printer

1.5　AP MODE

（1）　Network Diagram

Features: WIFI module will generate hotspot "MKSWIFI-XXXX" (open hotspot, no password), you can access the hotspot to control the printer.

（2） WiFi setting

The WiFi configuration options in the configuration file are shown in the following table:

Mks_config.txt	Description
#wifmodel(0:MKS WIFI TFT　1:MKS HLK-WIFI) >cfg_wifi_type:0	
#wifi mode(0:sta;1:ap) >CFG_WIFI_MODE　　　1	Set WiFi mode to AP mode
#wifi name >CFG_WIFI_AP_NAME　　TEST	Set the WiFi name to the name of the hotspot you want to connect to
#wifi password >CFG_WIFI_KEY_CODE　　MAKERBASE	Set the WiFi password to the hotspot password you want to connect to
#cloud service enable(0:disable　1:enable) >cfg_cloud_enable:1 #cloud server url >cfg_wifi_cloud_host:www.baizhongyun.cn #cloud server port >cfg_cloud_port:10086	The default settings can be

Attention ： Our MKSCloud APP only supports MKS WIFI and does not support HLK WIFI. Therefore, only the configuration of 0 in TFT configuration can use MKSCloud APP control.
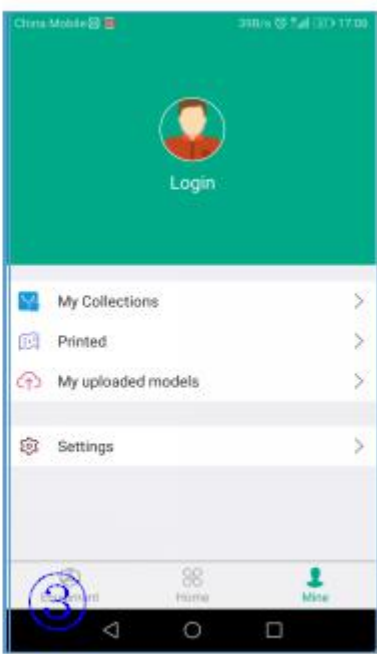
(The phone needs to be connected to the hotspot sent by the WiFi module to control the printer through the APP)
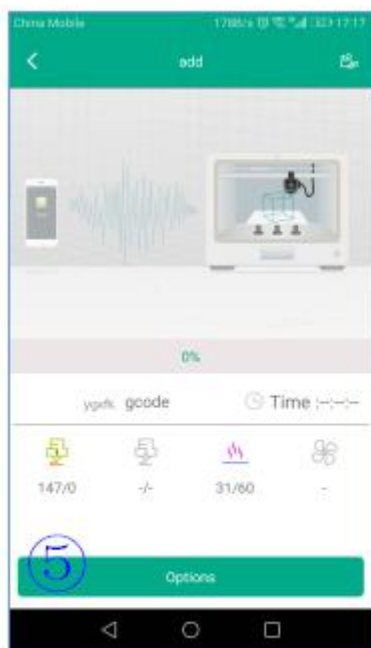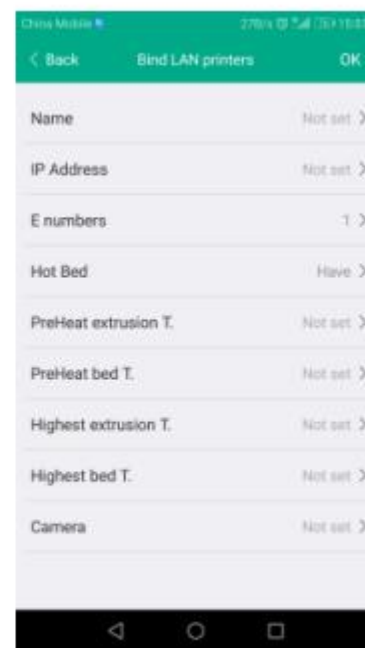

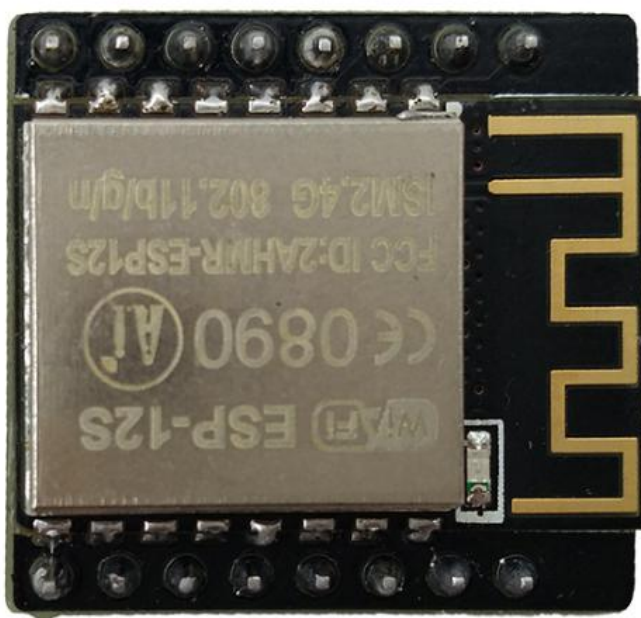Download MKSCloud App
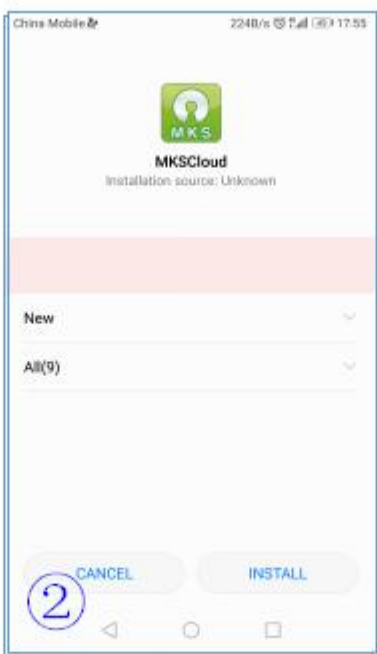
Installation

login

| Printing interface | choose the file | add the printer |

Attention: ip address can be viewed on the touch screen WiFi interface
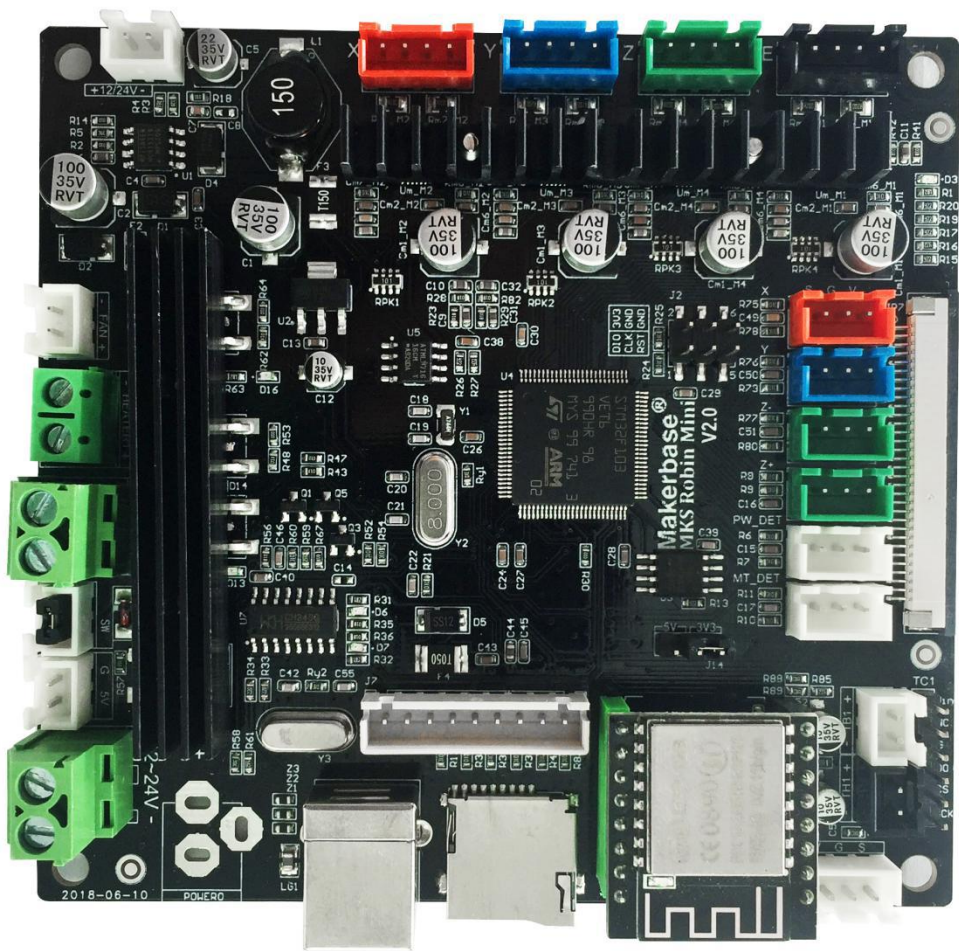
Ⅱ　MKS Robin WIFI module

MKS Robin WIFI is a WIFI module developed by maker base R&D personnel based on ESP8266 chip. MKS Robin WIFI can only be used on MKS Robin series motherboards. It has cheap price, small size, fast transmission speed, mobile phone transmission file printing, cloud service printing. Etc.

2.1 MKS Robin WIFI module and Robin series motherboard connection diagram
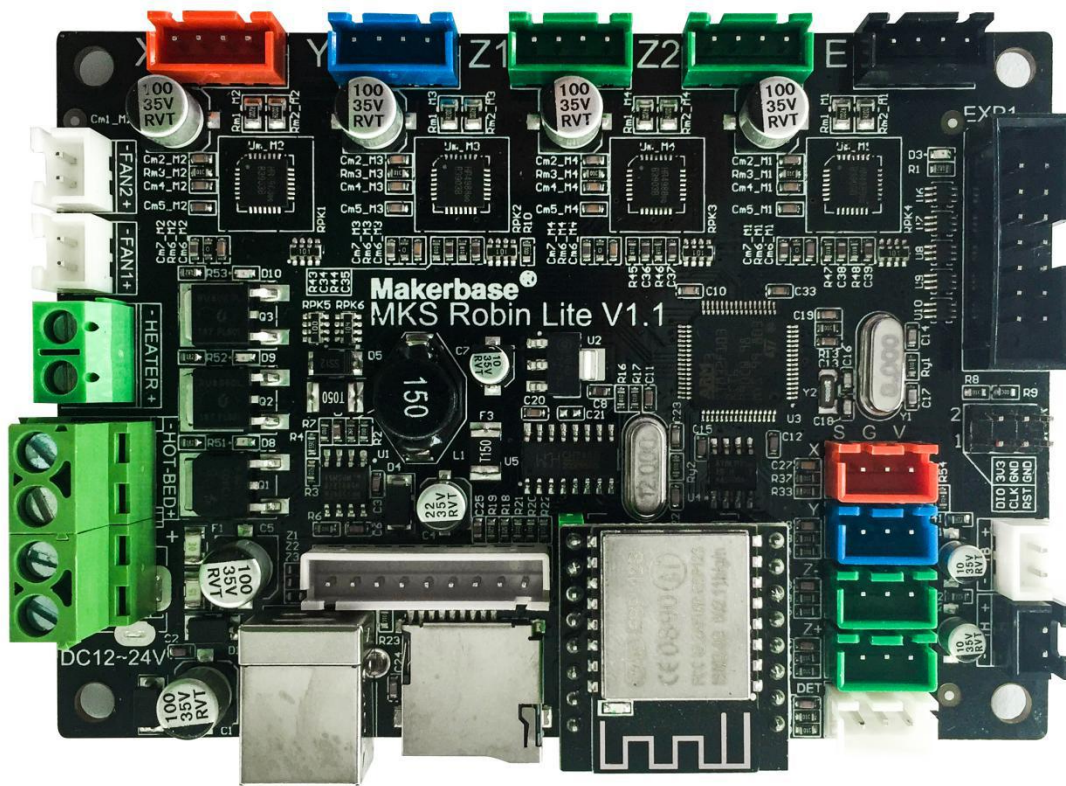
(1) Connection diagram of MKS Robin WIFI module and MKS Robin motherboard
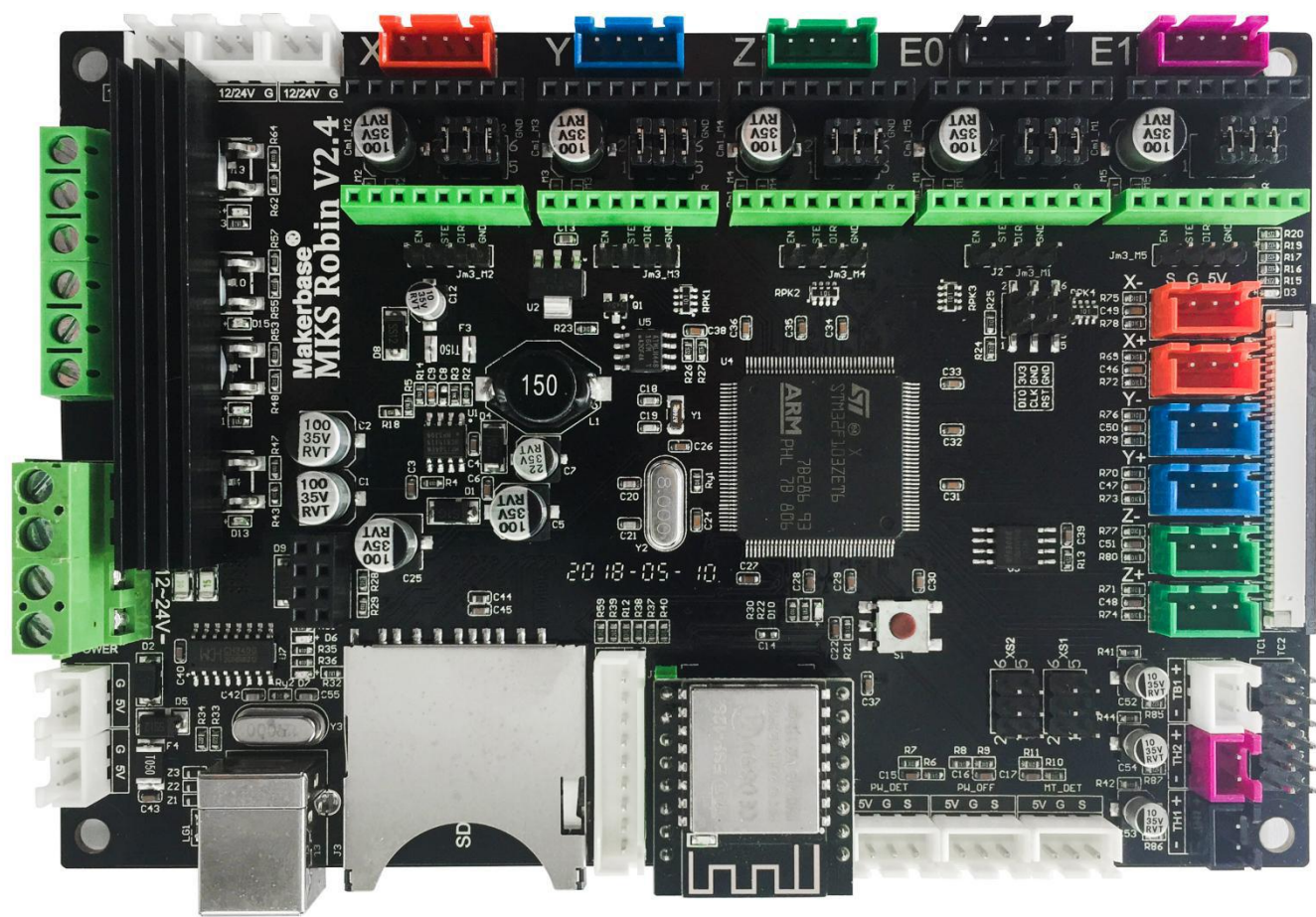
(2) Connection diagram of MKS Robin WIFI module and MKS Robin Mini motherboard

(3) Connection diagram of MKS Robin WIFI module and MKS Robin Lite motherboard

2.2　Introduction to Print Mode

1. Cloud Print Mode: Recommended for use in a WiFi router environment with Internet access. Once you have a network connection to the WiFi module, the printer becomes the online printer on the cloud.Access to the app or control printer anywhere in the world. can also be in the local area network through the host computer (Printrun, etc.) to control the printer.

2. LAN Print Mode: Recommended in the case of a WiFi router, but the router is not available on the Internet or the network is slow (the cloud Print mode printer responds too slowly).

3．AP printing mode:When the printer is in an environment where there is no WiFi router, the WiFi module is not configured, the WiFi module is configured, but the network environment is not good enough to connect to the router, the above three cases are entered by default.At this time the WiFi module will produce hot "mkswifi-xxxx" (open hotspot, no password), you can access the hotspot through the app, browser, host computer (Printrun, etc.) to control the printer.

4．WebServer print mode: special mode, not recommended. This mode also controls the printer in the LAN. It can be controlled by the computer's Web, transfer files, print, etc. It can't use the APP control. You need to brush the Web version firmware to use it.

2.3　　Cloud Print Mode

1　　.Network Diagram
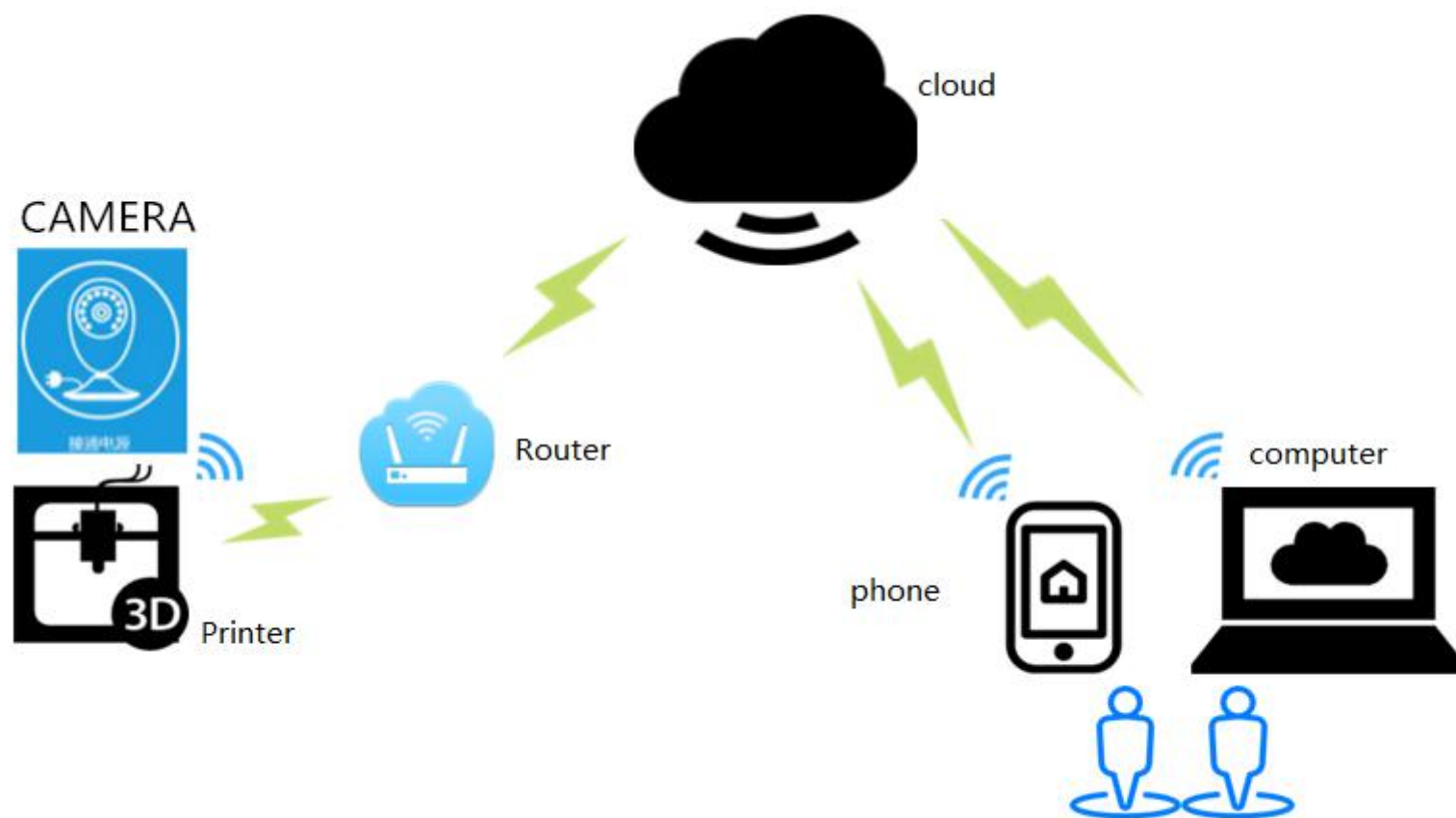
Features: Can control printers anywhere in the world by app.

2　　WIFI setting

1) WiFi mode: select STA

2) WiFi name: the name of the router to be connected (try to choose a router with good signal)
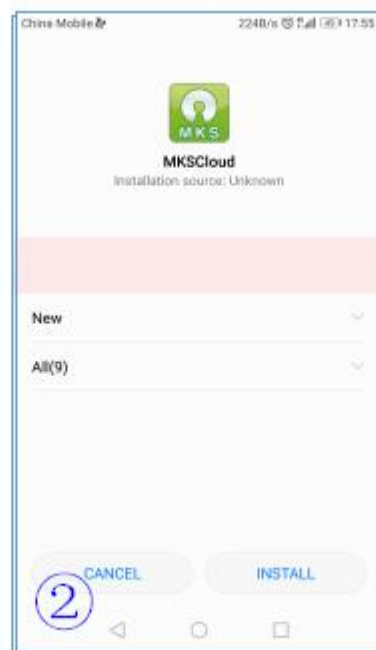
3) WiFi password: the password of the router to be connected

4) Other WiFi configuration items are by default.
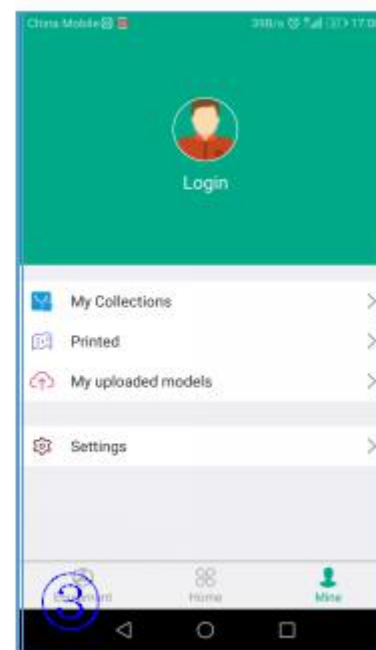
3 APP print

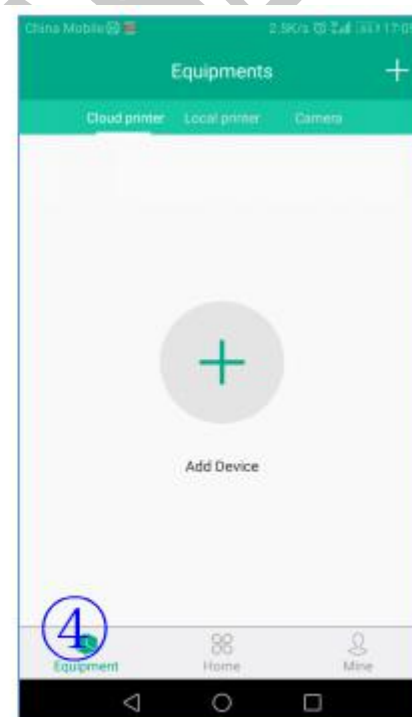

Download MKSCloud App

Installation

login

Model Preview Interface

Printer bindings
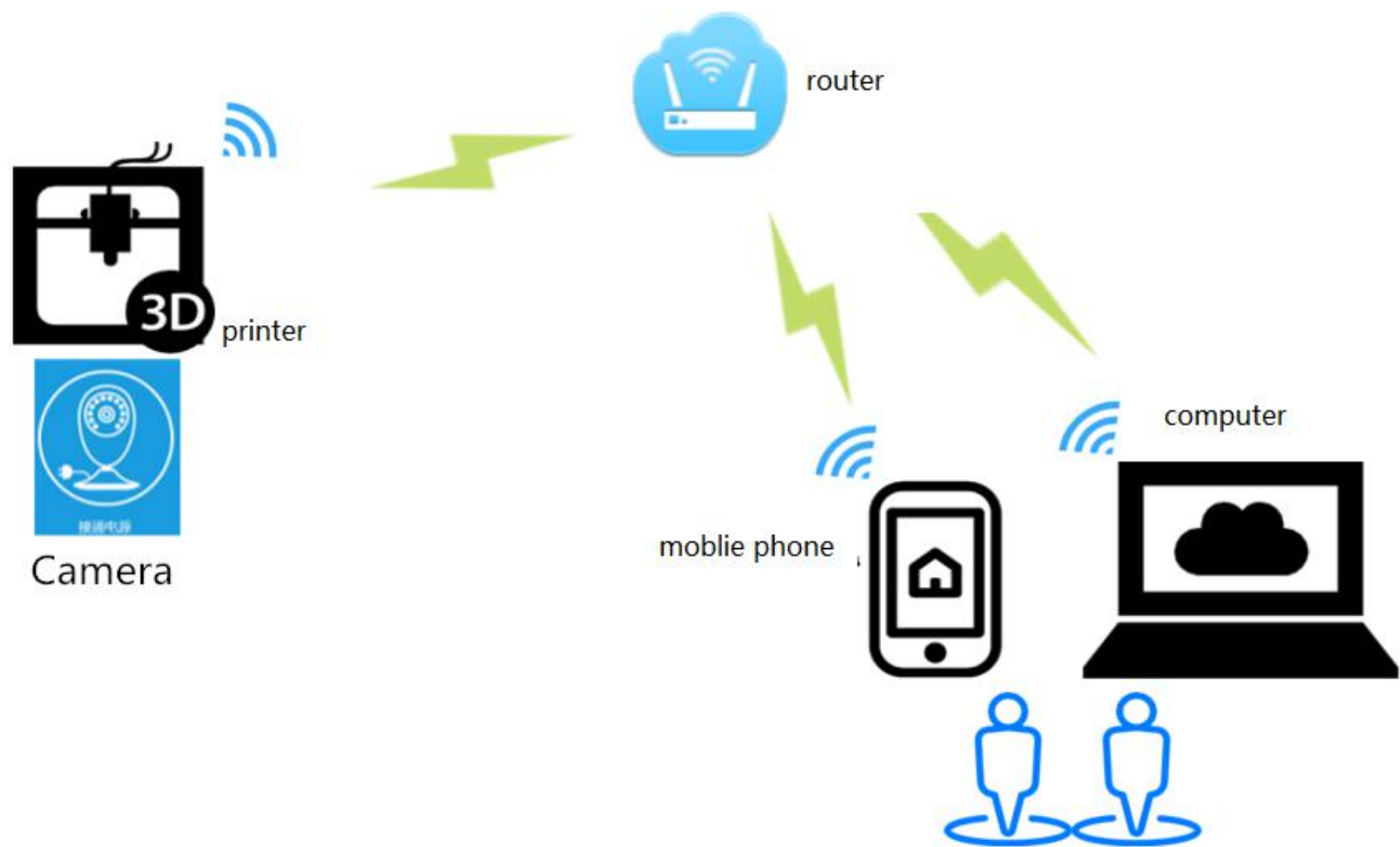

Add Printer page

Adjust the Print Parameters page

Printing pages

Print complete

2.4   LAN printing

（1）   Network Diagram

Features: Can control printer in LAN

（2）WiFi setting

The WiFi configuration options in the configuration file are shown in the following table:

```
#-------------------------------------------------------------
################# Wireless ##############################

>cfg_wifi_mode:0            #wifi mode(0:sta;1:ap)

>cfg_wifi_ap_name:MKS-WIFI            #wifi name

>cfg_wifi_key_code:makerbase            #wifi password

>cfg_cloud_enable:1            #0:disable cloud service 1:enable cloud service

>cfg_wifi_cloud_host:www.baizhongyun.cn            #cloud service adress

>cfg_cloud_port:10086            #cloud service port
#
```

1) WiFi mode: select STA

2) WiFi name: the name of the router to be connected (try to choose a router with good signal)
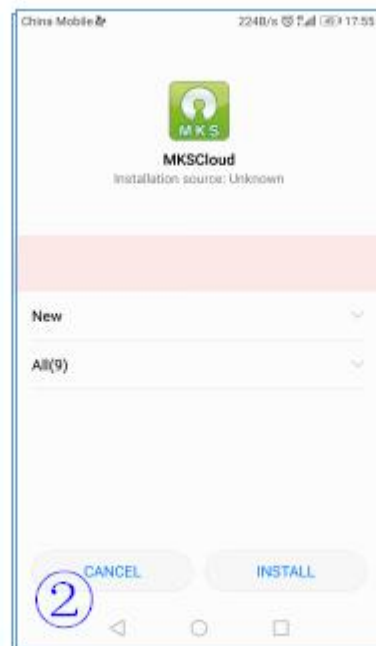
3) WiFi password: the password of the router to be connected
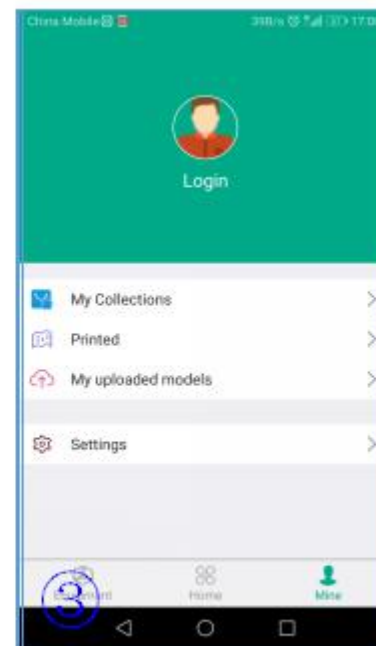
4) Other WiFi configuration items are by default.

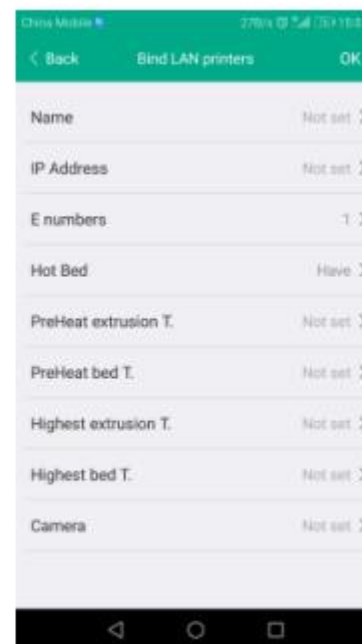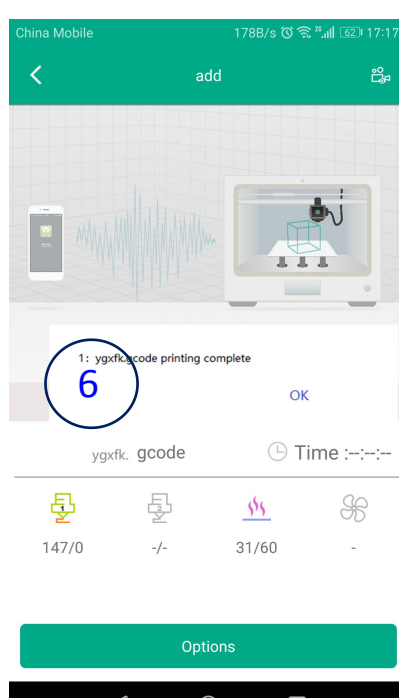（3） APP print

Download MKSCloud App
①

Installation
②

login
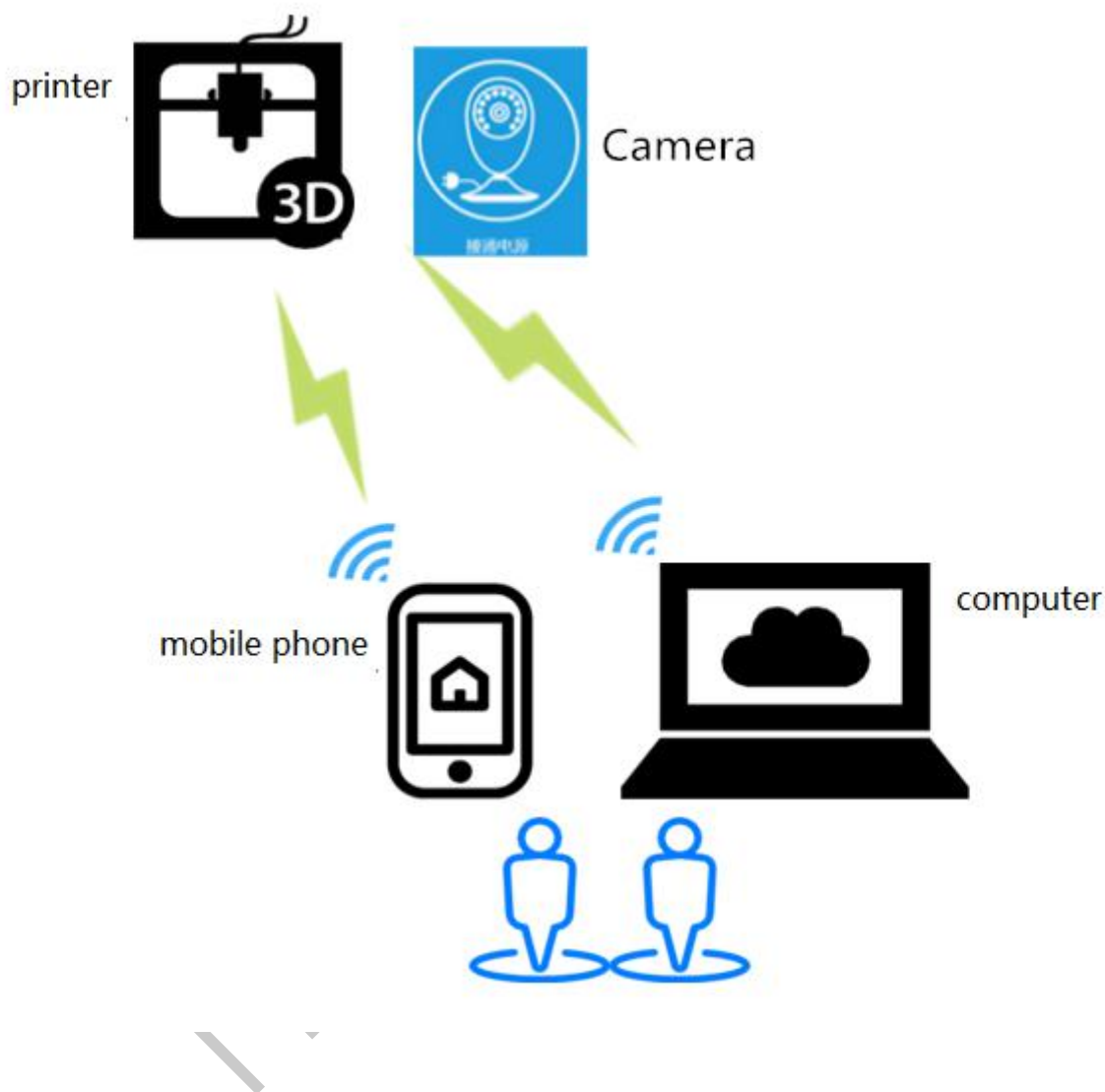③

Printing interface
⑤

choose the file
④

add the printer

⑥

2.5　　AP mode

（1）　Network Diagram

Features: WIFI module will generate hotspot "MKSWIFI-XXXX" (open hotspot, no password), you can access the hotspot to control the printer.

You can access the hotspot to control the printer (Note: the phone needs to be connected to the hotspot sent by the WiFi module to control the printer through the APP)

（2）　WiFi setting

The WiFi configuration options in the configuration file are shown in the following table:

```
################ Wireless ###################################

>cfg_wifi_mode:1              #wifi mode(0:sta;1:ap)

>cfg_wifi_ap_name:test1            #wifi name

>cfg_wifi_key_code:12345678            #wifi password

>cfg_cloud_enable:1            #0:disable cloud service 1:enable cloud service

>cfg_wifi_cloud_host:www.baizhongyun.cn        #cloud service adress

>cfg_cloud_port:10086            #cloud service port
```

1) WiFi mode: select AP

2) WiFi name: set the hotspot name sent by the WiFi module

3) WiFi password: set the hotspot password sent by the WiFi module.

4) Other WiFi configuration items are by default.

(The phone needs to be connected to the hotspot sent by the WiFi module to control the printer through the APP)
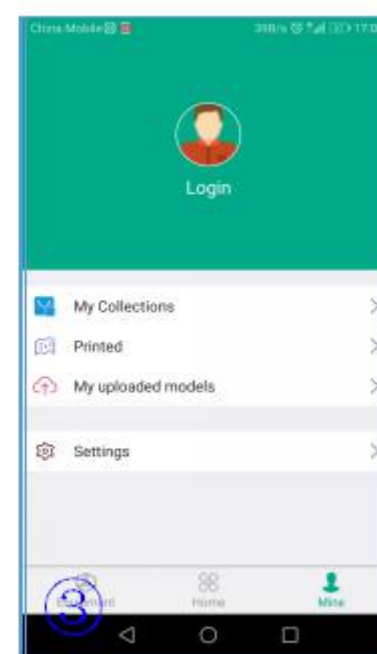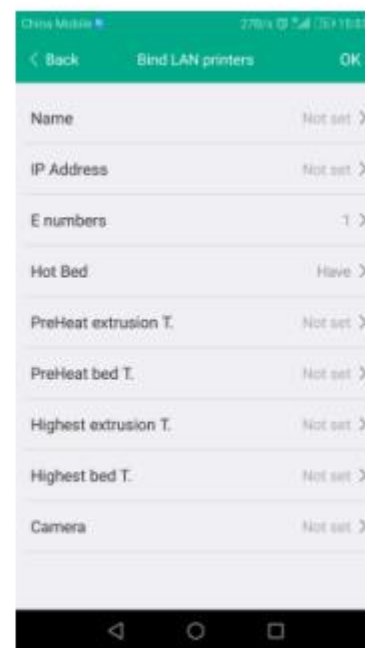
（3）　　APP print

| Download MKSCloud App | Installation | login |

Printing interface	choose the file	add the printer

Ⅲ　Technical support and protection

1. Power test will be done prior to shipment to ensure normal use of the product

2. Welcome friends to join the discussion group:　232237692.

3. Welcome to Blog Exchange　：　http://flyway97.blog.163.com.

4. 3D printer motherboard contact

Miss Zhong：15521638375　Mr. Huang：13148932315　Mr. Tan：13640262556.

Mr.Peng：13427595835

5. If you have any questions you can contact our customer service or find technical

support staff in the group, we will be happy to serve you.

MKS official website   MKS Taobao website

MKS official website   MKS Taobao website