CoLiDo™ Wifi Box

Product Information

WAN port

USB Printer Port
Connect with 3D printer

USB1
USB2
USB3
USB4
Power

USB8
USB7
USB6
USB5

Camera/Wireless
Connect with camera and wireless USB receiver

Reset button
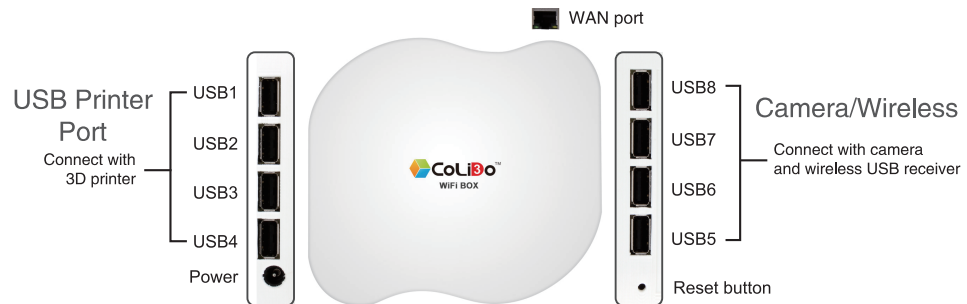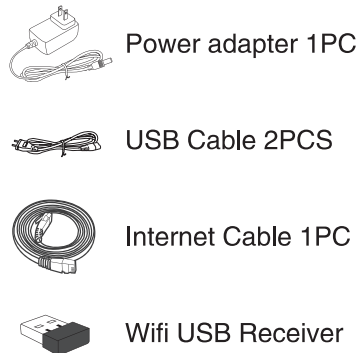
NOTE：1. Port USB8 is multifunction port, when need wifi connection, plug in with wireless network card.
2. Press Reset button for 1 second, wifi box will reboot. Press Reset button for 5 seconds, wifi box will restore factory settings.

Accessory checklist

Power adapter 1PC

USB Cable 2PCS

Internet Cable 1PC

Wifi USB Receiver

1 System Requirement

1 Browsers：Google Browser, Firefox Browser. (SmartPhone, PC and Pad Support)

2 Operation system ios, android, windows and linux support.

3 Connect with internet cable, can use the monitoring function of the web camera. Connect with wifi USB receiver, not suggest to use the monitoring function, it will affect the print result. Wifi Box support web camera specification: output mjpg format USB camera. (Camera interface not included.)

4 Support .Gcode format and English file name.

5 Support all CoLiDo FDM 3D printer.

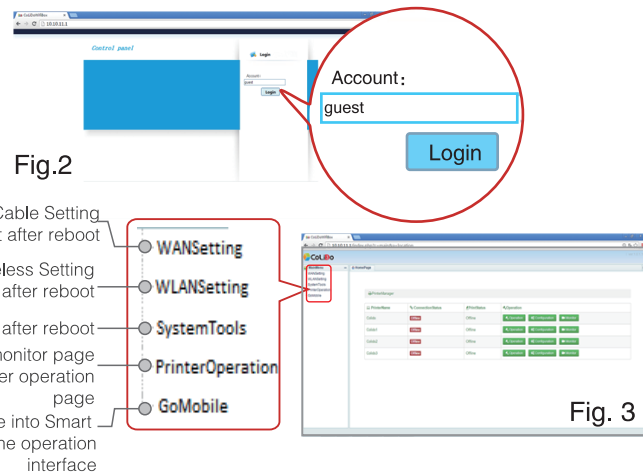6 Network printing support maximum 4 printers with 60MB Gcode file. Single printer can print with150MB Gcode.

2 Operation Steps

1 Connection：plug in with wifi USB receiver into USB slot 8 and power on the wifibox. Connect wifibox as Fig.1 shown as below. The wifi name and the default password, please refer the package of the wifibox.

Fig.1

2 Login：Use Browser to entre the address: 10.10.11.1（With cable connection address: http://192.168.2.222) The display will shown as Fig.2. Click "Login" will enter into operation interface as Fig.3.

Fig.2

Account：
guest
Login

Configure Cable Setting Effect after reboot
Configure Wireless Setting Effect after reboot
Effect after reboot
Enter into monitor page and printer operation page
Entre into Smart phone operation interface

WANSetting
WLANSetting
SystemTools
PrinterOperation
GoMobile

Fig. 3

3 Printer Configuration：Click "Configuration" on Fig. 4 to entre into Fig. 5. Please refer Fig. 5 to set up. After set up printer select "SystemTool" – "Reboot" to reboot wifibox. (If there is more than one printer, please follow the instruction above to set up printers. Maximum connect four printers at the same time.)
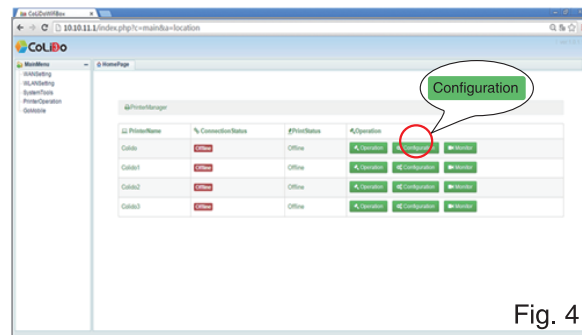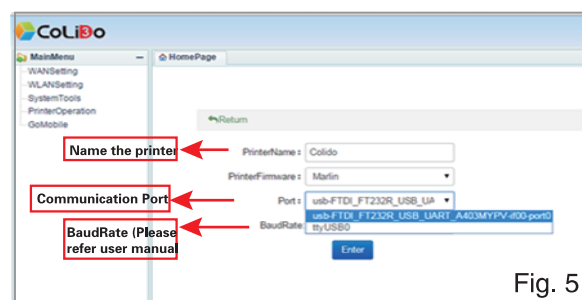
Configuration

Fig. 4

Name the printer
Communication Port
BaudRate (Please refer user manual

Fig. 5

4 Print Operation

4 Print Operation: As Fig. 6 shown below: click on "Upload& Print" to select .GCO format file. Object will start print after upload. If select "Upload", the object G–code will save into the control page, click the "Print" button of the file to start print.
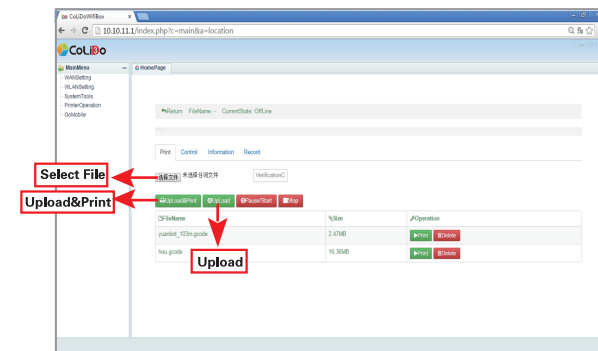
Select File
Upload&Print
Upload

图6

3 Other functions

1 Support filament detection function(Only for CoLiDo 3D printer models will have this function)

When filament used up or broken, the page will shown as Fig. 7. Please install new filament and click "Pause/Start" to continue print.
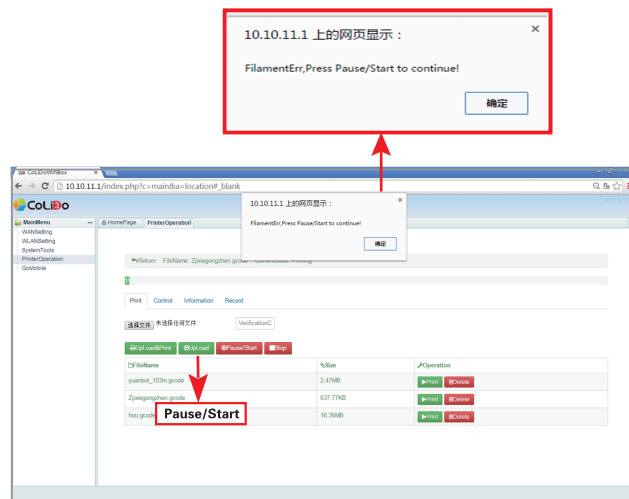
10.10.11.1 上的网页显示：
FilamentErr,Press Pause/Start to continue!
确定

Pause/Start

Fig. 7

FAQ

A How to change language?
After login to system, under the left menu bar "SystemTools" – "Language" select the language and refreash to change.
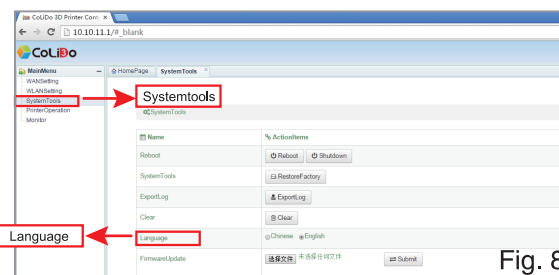
Systemtools
Language

Fig. 8

B How to set up a verification code?
Can follow Fig. 9 location to set up a "Verification code" every time before start printing. Entre into 3 digit numbers and start print to activate the verification code. Need to fill in this verification code to entre into this printer operation page. Verification code will invalid after this print.
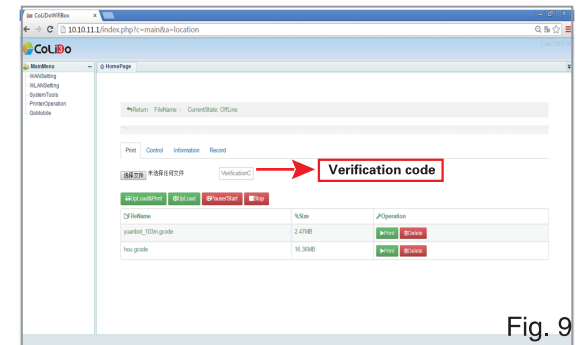NOTE: This function is not compulsory.

Verification code

Fig. 9

C How to connect into current internet to use monitoring function?
Use wireless to connect with Wifi Box, through the Fig. 3 "WANSetting" to set up the IP to current internet and reboot Wifibox. Then use the internet cable to connect with router to use the monitoring function, monitoring 15 seconds each time.

D Is there any other way to connect to the internet?
As Fig. 10 shown below on the WLANSetting, can change to the relay mode. Entre into wifi name and password, after reboot it will connect to the internet. The other equipment in the same LAN contorl the printer. Only support wpa2 encryption method now. Wifi can only work on the AP or STA mode.
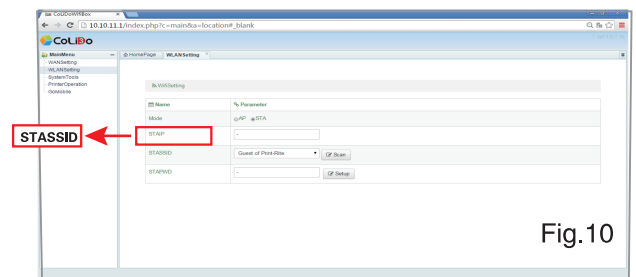
STASSID

Fig.10

E How to solve if the LCD display shown the words as belown?
Press the LCD rotate knob on the side to continue.

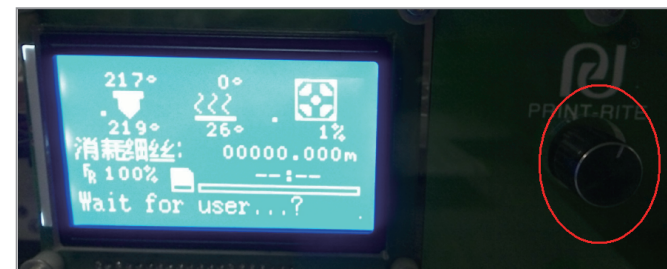Fig. 11

For more information, please visit us on: www.colido.com

F How to set up romate control?

Note：1. Contact with supplier of your own internet to make sure the internet supplier provide WAN IP address. Must have WAN IP address to start remote control. After configuration successful, access the WAN IP and the trigger port can start remote control matched printer. Normally, the WAN IP is changing everyday for the home user, please confirm WAN IP before use.
2. After configuration, open access the WAN IP and trigger port can remote control the printer, recommend to just do the temporary operation.
3. One network can only mapping one printer.
4. Support LAN and WAN at the same time.

Step 1: Setup the printer WAN settings, to make printer connect with internet.

1. Connect the internet cable with printer and the router.
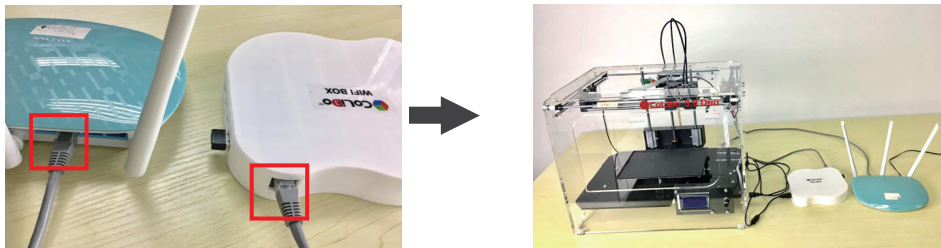
2. Refer section "Operation Steps" and Step ❷ to connect and login to Fig. A. Select "WAN Setting" enters into Fig. B. Refer next step to check the WAN IP, Subnet Mask and Gateway.
After change configuration, reboot WIFI will effect.

A   B
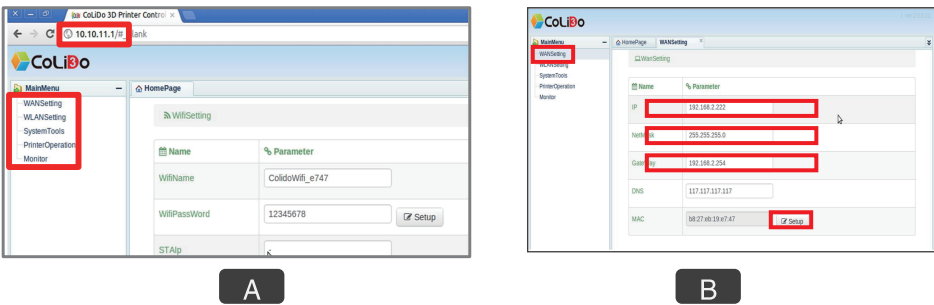
NOTE: Must have WAN Public IP to start the operation below. The sample is TP–Link brand Router.

3. To check the WAN IP, net mask and gateway.
Login Router uses the information from the router or router supplier.

Select the "DHCP settings" under the "DHCP" menu, Select any IP address between start IP address and end IP address (Not include start IP address and the end IP address.) as WAN setting. Refer Fig. C as below:

DHCP Settings

IP(Select any IP address between start IP address and end IP address (Not include start IP address and the end IP address. For example：192.168.2.101)

Gateway

C
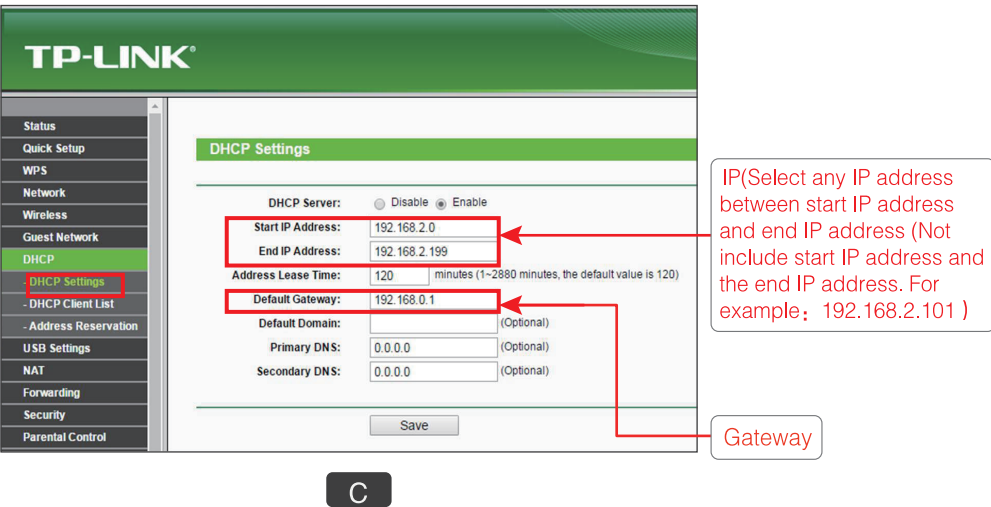
Select "LAN" under the "Network" to check the "Subnet Mask" as Fig. D shown as below:
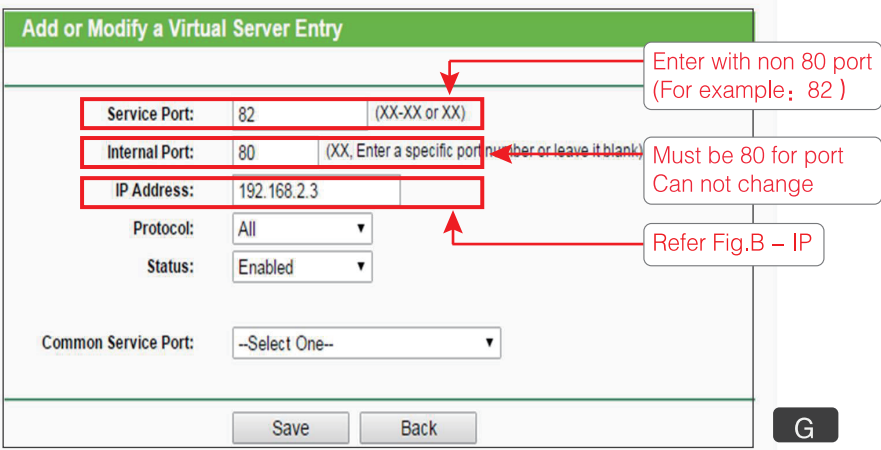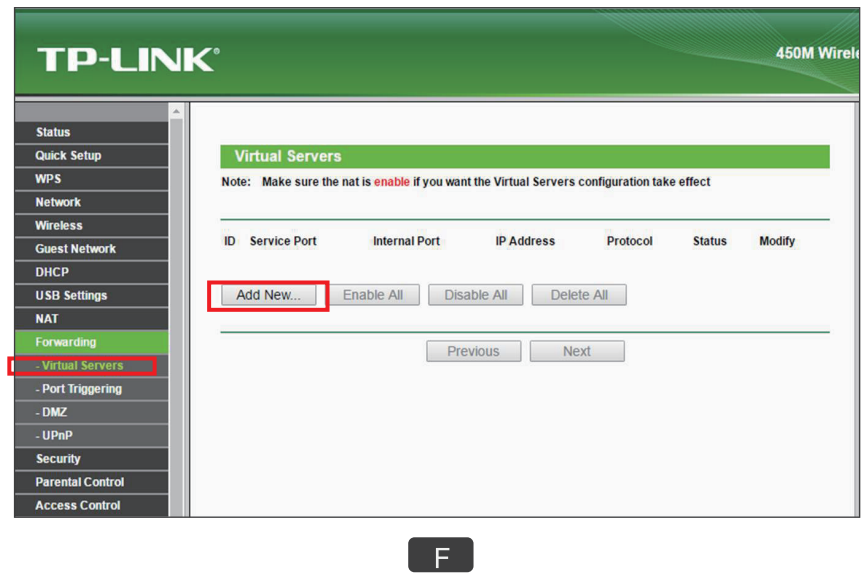
LAN

Subnet Mask

D
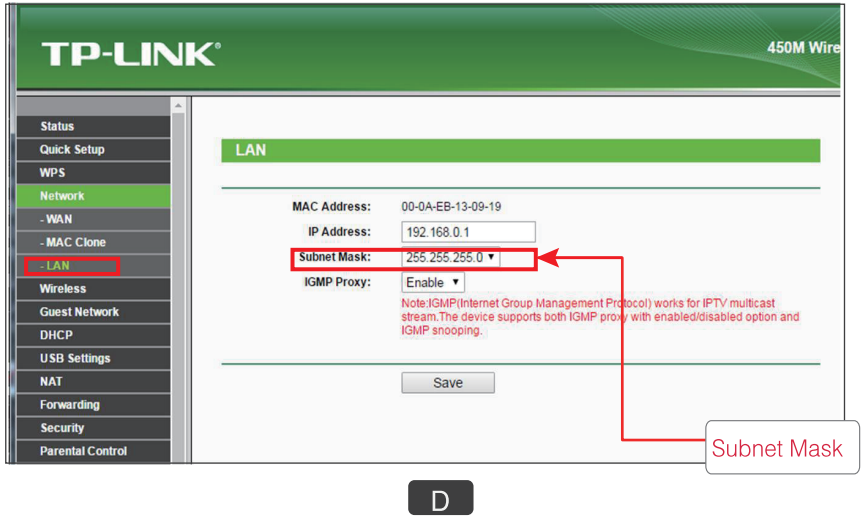
Select "WAN" under the "Network" to check the Public IP as Fig. E shown as below:
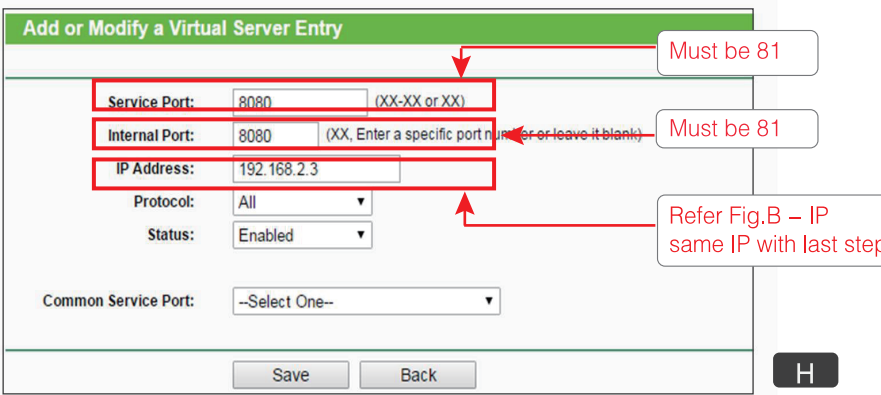
WAN

Public IP

E
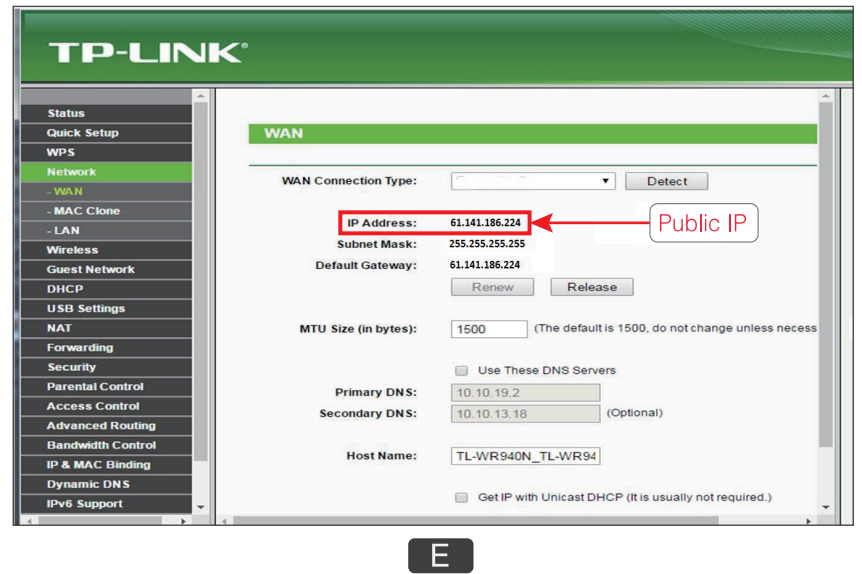
Step 2: Make intranet 80, 81 port mapping to the WAN.
1. Select a "Add New…" in "Virtual servers" page under the "Forwarding" menu. Enter the WAN information and the printer information, then click "Save".

Virtual Servers

F

Add or Modify a Virtual Server Entry

Service Port:	82	(XX-XX or XX)
Internal Port:	80	(XX, Enter a specific port number or leave it blank)
IP Address:	192.168.2.3	
Protocol:	All	▼
Status:	Enabled	▼
Common Service Port:	--Select One--	▼

Enter with non 80 port (For example：82)

Must be 80 for port Can not change

Refer Fig.B – IP

G

2. Follow the last step to add the camera mapping information:

Add or Modify a Virtual Server Entry

Service Port:	8080	(XX-XX or XX)
Internal Port:	8080	(XX, Enter a specific port number or leave it blank)
IP Address:	192.168.2.3	
Protocol:	All	▼
Status:	Enabled	▼
Common Service Port:	--Select One--	▼

Must be 81

Must be 81

Refer Fig.B – IP same IP with last step

H

Step 3: Through the WAN IP and the intranet port to visit printer control panel to remote control printer.
Enter the IP address into address bar in the browser. The IP address is: WAN IP with setup mapping service port. (For example: 61.141.186.224:82). The display will shown as Fig.I. Click "Login" will enter into operation interface as Fig.J. printer operation page to start remote control of the printer.

WAN IP with Setup mapping service port (For example: 61.141.186.224：82)

Control panel

Account：
guest
Login

I

J

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