SYSOLUTION

E2X Series Screen Configuration And TAXIHUB Platform

Instructions

Version: V.1.1

Statement

Dear user friend, thanks for choosing Shanghai Xixun Electronic Technology Co., Ltd. (hereinafter referred to as Xixun Technology) as your LED advertising equipment control system. The main purpose of this document is to help you quickly understand and use the product. We strive to be precise and reliable when writing the document, and the content may be modified or changed at any time without notice.

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Catalog

Update Record

No.	Version	Details	Date
1	Ver.1.0	Initial	2020.09.08
2	Ver.1.1	Content change	2020.12.16

Note: The document is subject to change without prior notice.

Overview

With the growth of LED vehicle signs, more and more end users require wireless transmission, remote cluster management and joint with third party applications via WiFi or 4G internet, also require to operate by smart phone.
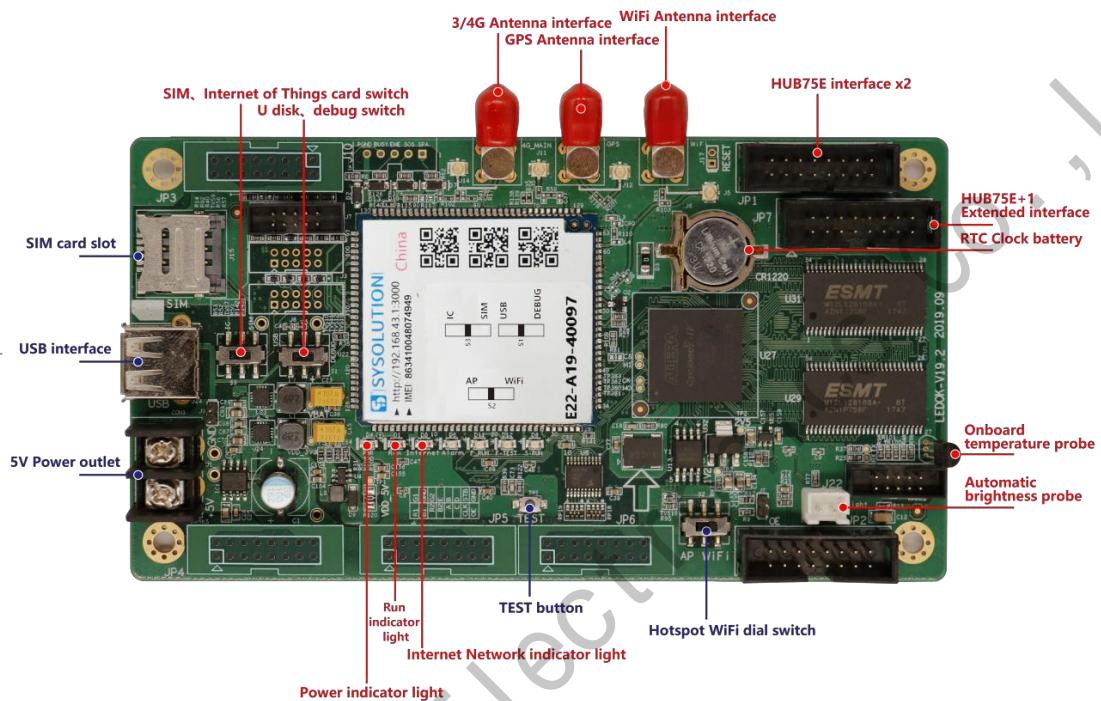
Shanghai Xixun SYSOLUTION designed E2X for all those requirements, which will lead the development of led vehicle signs market and make users to accessing in a simple way.

E2X series including E22, E24 and E26 modes, all adopt Qualcomm MSM8909 platform solution, MSM9809 CPU is made by 28nmLP CMOS technology, with four core main frequency 1.1GHz, storage 1GB+8GB(compatible with 2GB+16GB) LPDDR3. It is a highly integration product, which can support GSM, WCDMA, TD - SCDMA,EVDO,TDD - LTE,FDD - LTE etc.
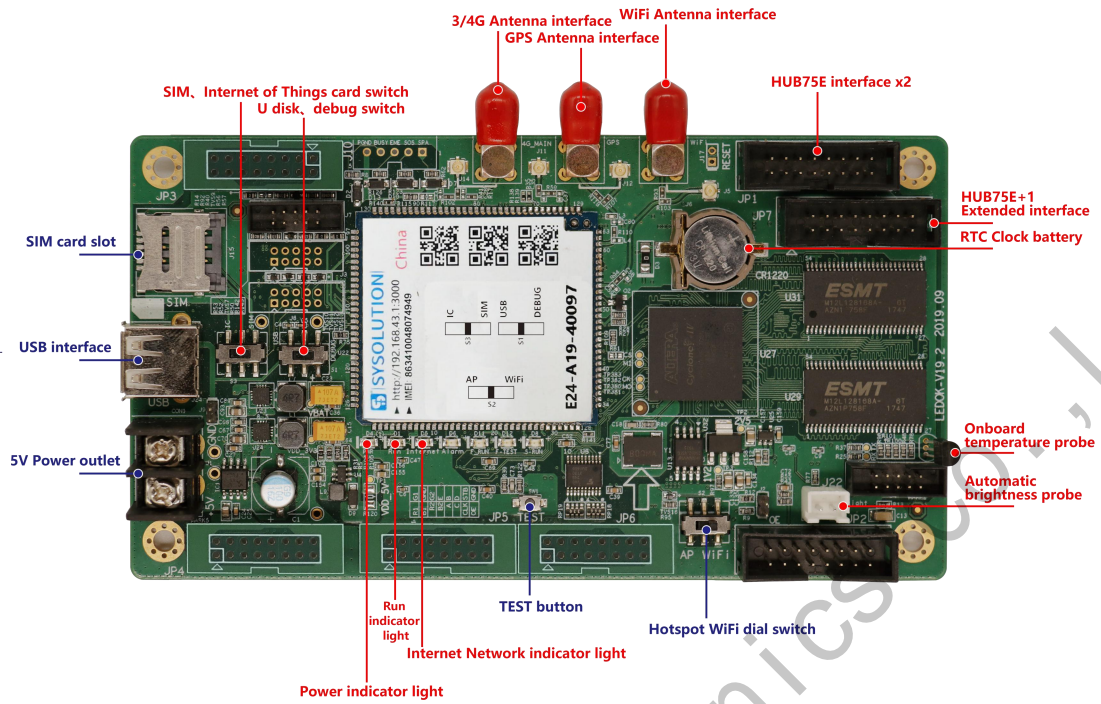
Functions And Features

1. E22 integrates 2+1 HUB75E port; E24 has 4+1 HUB75E port; E26 has 6+1 HUB75E port;

2. Designed for led vehicle text sign, with "Guest" and "NO Guest" independent interfaces;

3. Onboard WiFi modem, support AP and Station mode;

4. Support customized development and cloud web platform control;

5. Build in Web server, support editing local web page, also allow to editing and sending programs from laptop, iPhone, android phone, with offline LEDOK express software to send programs within local network;

6. Support RGB module with1-32 scanning and static types;
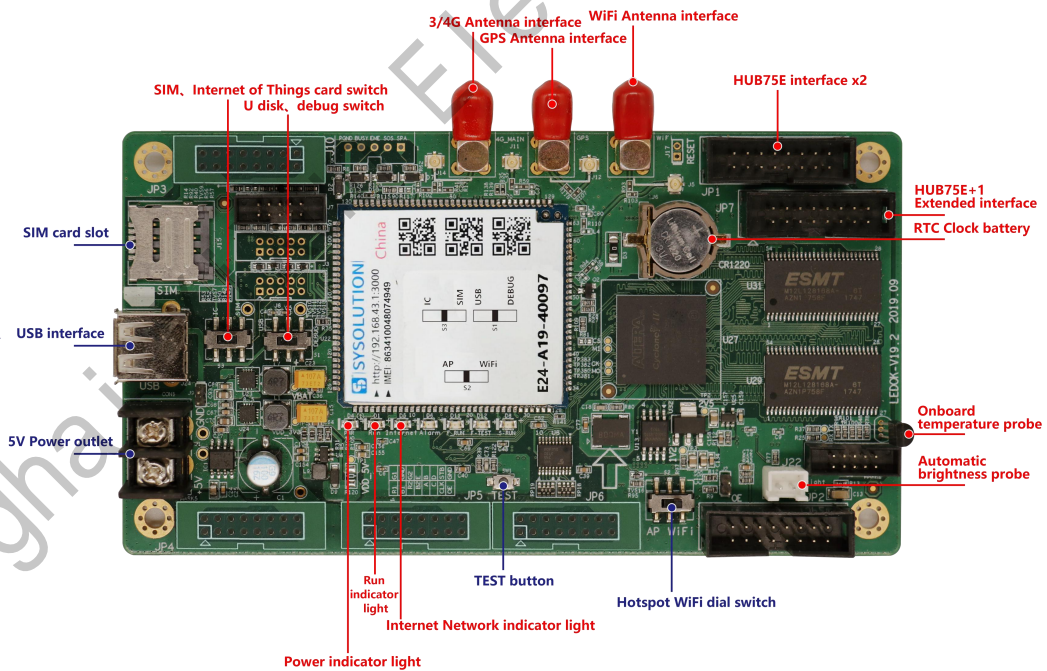
7. Industrial on board Flash: 8GB.

Interfaces Description

E22 interfaces & description

3/4G Antenna interface
GPS Antenna interface
WiFi Antenna interface
HUB75E interface x2

SIM、Internet of Things card switch
U disk、debug switch

SIM card slot

USB interface

5V Power outlet

HUB75E+1
Extended interface
RTC Clock battery

Onboard
temperature probe

Automatic
brightness probe

Run
indicator
light

TEST button

Hotspot WiFi dial switch

Internet Network indicator light

Power indicator light

E24 interfaces & description

3/4G Antenna interface
GPS Antenna interface
WiFi Antenna interface
HUB75E interface x2

SIM、Internet of Things card switch
U disk、debug switch

SIM card slot

USB interface

5V Power outlet

HUB75E+1
Extended interface
RTC Clock battery

Onboard
temperature probe

Automatic
brightness probe

Run
indicator
light

TEST button

Hotspot WiFi dial switch

Internet Network indicator light

Power indicator light

E26 interfaces & description

Technical Parameters

Features	Description		
Type	E22	E24	E26
Resolution	256*32 (has 2 HUB75 port) No need receiving card	256*64 (has 4 HUB75 port) No need receiving card	256*192 (has 6 HUB75 port) No need receiving card
Communication type	4G full Netcom、WiFi、USB		
CPU	Quad-core A7 (32bit) four cores 1.1GHz		
GPU	A307 409.6MHz		
RAM	8GB Emmc+1GB LPDDR3		
Operation system	Android 5.1		
WiFi	IEEE 802.11b/g/n 2.4G		
GPS	GNSS GPS/Beidou/Glonass		
Bluetooth	Bluetooth BT4.1		
3G/4G frequency (optional)	-China FDD-LTE:B1/3 TDD-LTE:B38/39/40/41 TDSCDMA:B34/39 WCDMA:B1/8 CDMA 1X/EVDO:BC0 GSM:B3/5/8		

Audio	support
Camera	support
Weather forecast	support
Readback display content	support
Software	Easyboard

Hardware Connection Diagram

Ribbon cable

5V Power line

peration Procedures

```
                    ┌─────────┐
                    │  Start  │
                    └────┬────┘
                         │
                    ┌────▼─────┐
                    │Connection│
                    └────┬─────┘
                         │
          No      ◇─────────────◇        No      ◇─────────────────◇        ◇──────────────────◇
    ┌───────────◇ Is the display ◇──────────────◇ Whether has the  ◇──────◇ Whether to configure◇
    │            ◇   configured   ◇              ◇screen            ◇      ◇led display again   ◇
    │             ◇─────────────◇                ◇configuration file◇      ◇──────────────────◇
    │                   │                         ◇───────────────◇                │           │
    │                   │Yes                           │Yes                        │Yes        │No
    │                   │                              │                           │           │
   Yes                  │                      ┌───────▼────────┐          ┌────────▼─────┐    │
    │                   │                      │  LED screen    │          │ Smart setup  │    │
    │                   │                      │ configuration  │          └───────┬──────┘    │
    │                   │                      │    import      │                  │           │
    │                   │                      └───────┬────────┘          ┌───────▼──────┐    │
    │                   │                              │                   │  cascading   │    │
    │                   │                              │                   │  settings    │    │
    │                   │                              │                   └───────┬──────┘    │
    │          ┌────────▼────────┐          ┌──────────▼───────┐          ┌────────▼─────┐     │
    │          │    Network      │          │    System        │          │ Adjust effect│◄────┘
    └─────────►│    Server       │◄─────────│   Parameter      │◄─────────│              │
               │  Configuration  │          │  Configuration   │          └──────────────┘
               └────────┬────────┘          └──────────────────┘
                        │
               ┌────────▼────────┐
               │    Taxihub      │
               │   platform      │
               │   releases      │
               └────────┬────────┘
                        │
                  ┌─────▼──────┐
                  │ Conclusion │
                  └────────────┘
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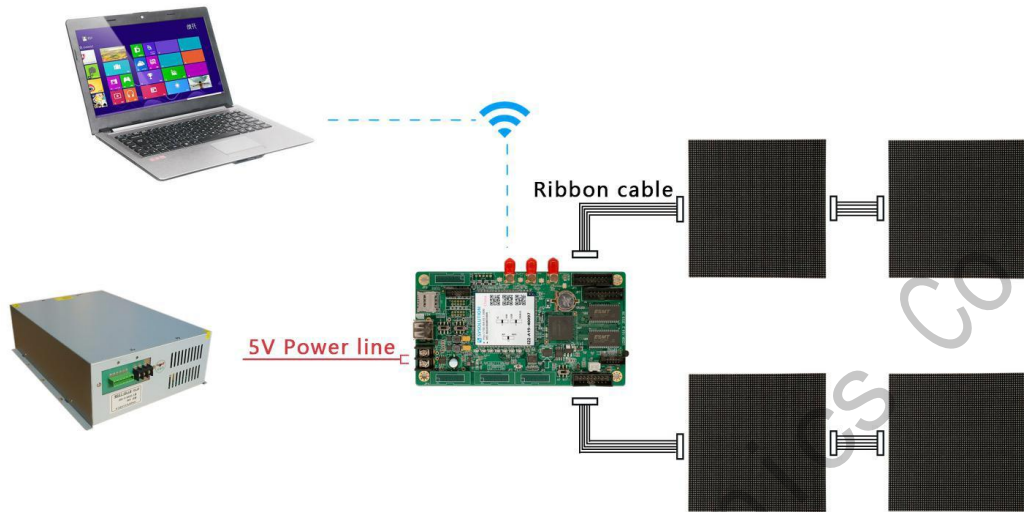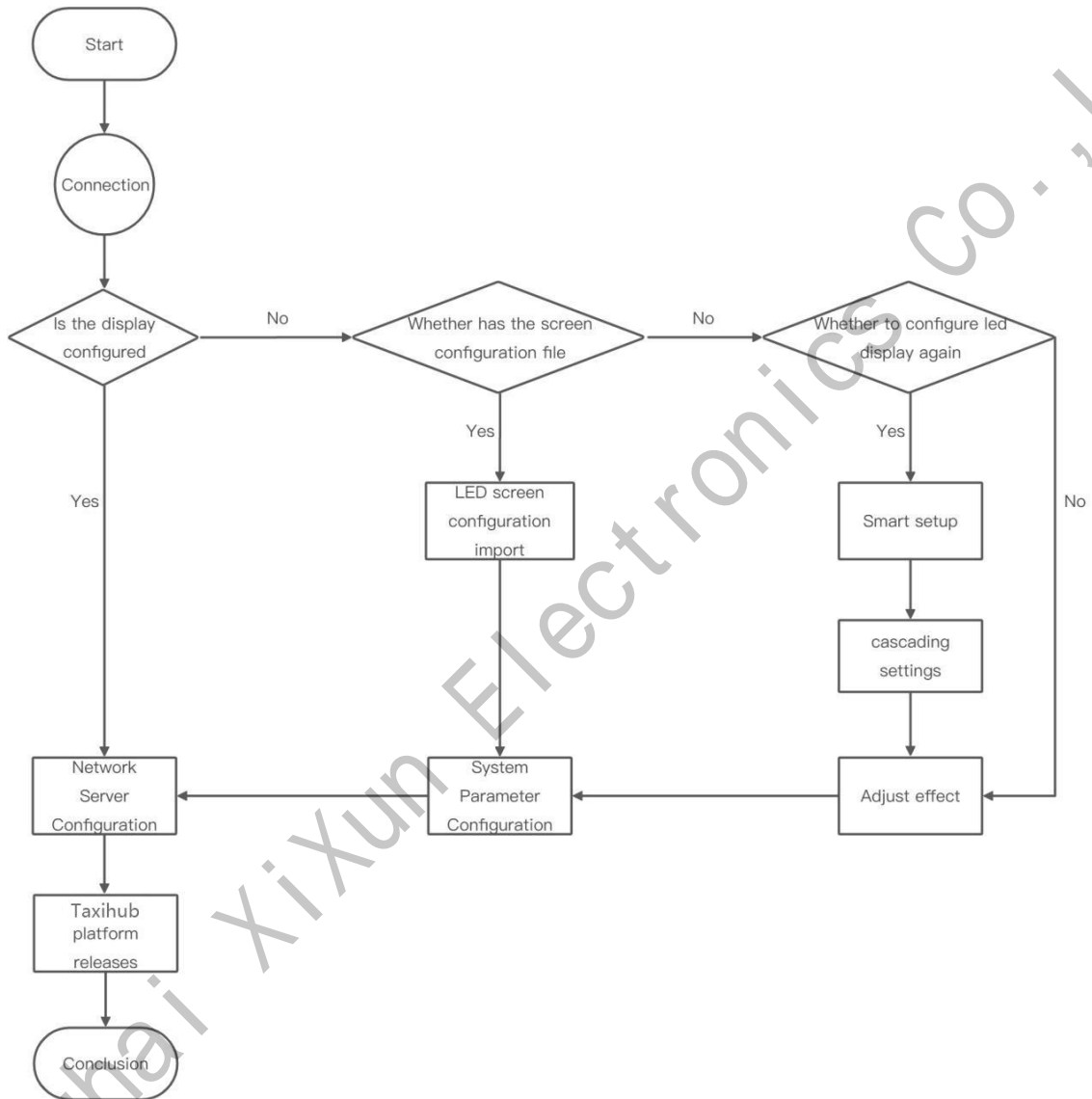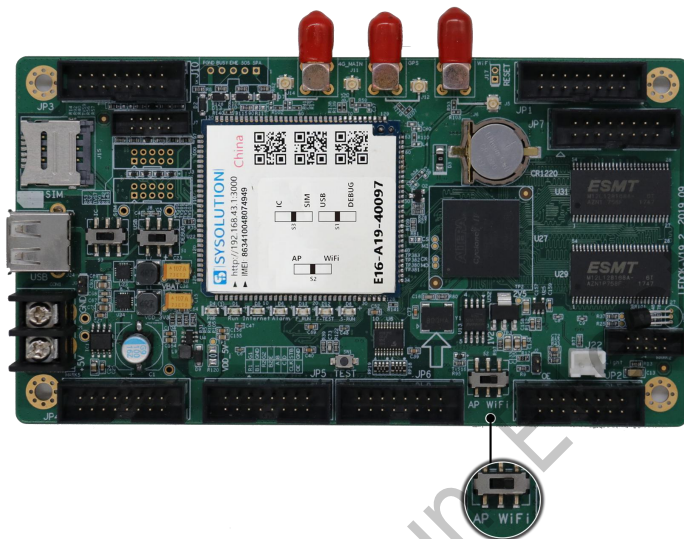
LED Display Smart Setup

1. Software Connection

Dial the control card dial code to AP, the computer will search the AP hotspot (EXX-XX-XXXXX) released by the control card, click "Connect" and enter the password (the default password is 12345678).

2. Network Configuration

Click "System network server configuration" on the main interface of EasyBoard to configure the cloud platform account and network.
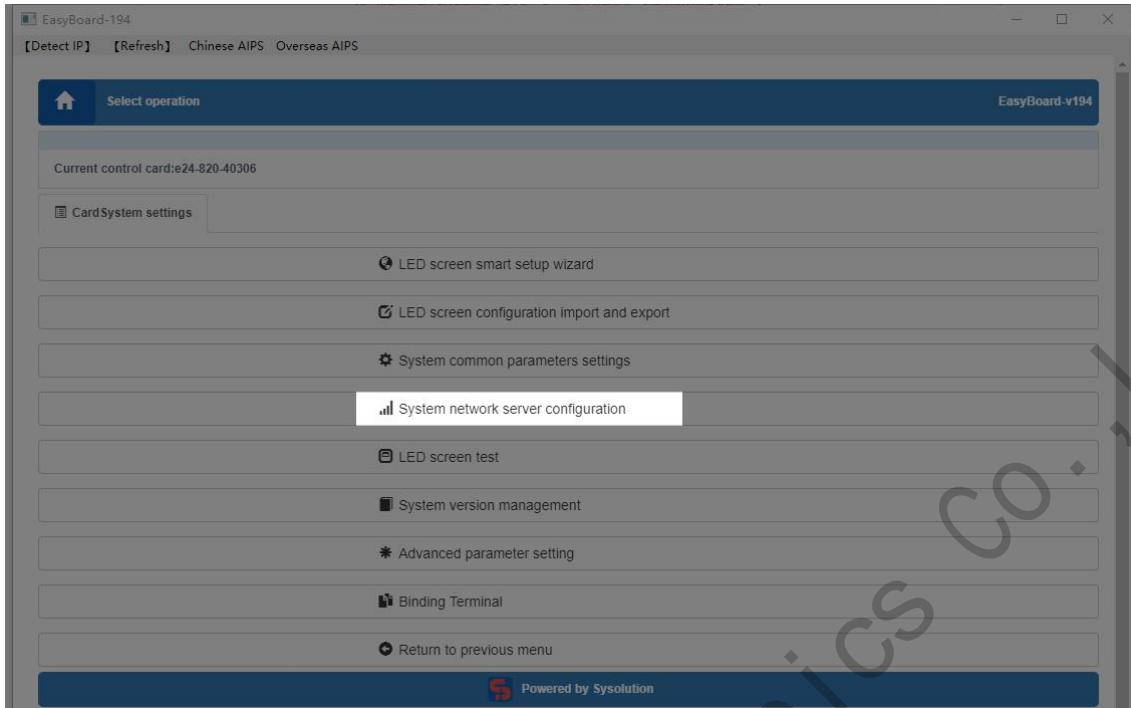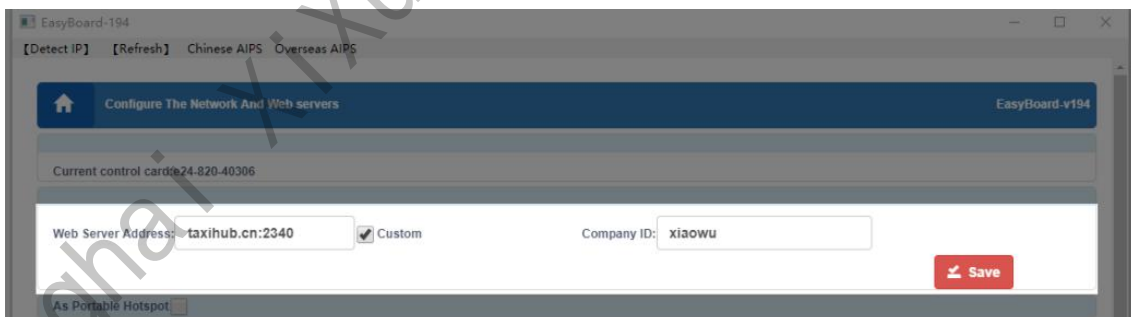
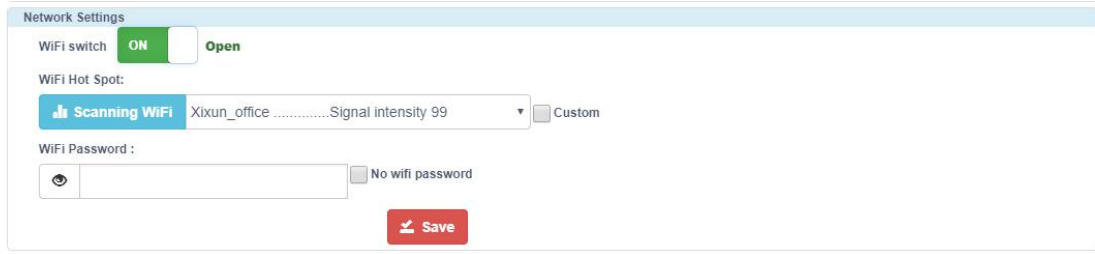## 3. Cloud platform account binding

Enter the web server address and company ID and click "Save".

The server address in China is: www.taxihub.cn

The foreign server address is: www.ledaips.com

4. WiFi Configuration

(1) Enable "WiFi switch", waiting for 3 seconds, and click "Scanning WiFi", select the WiFi

name and write down the WiFi password. Click "Save".

(2) After set the WiFi parameters, adjust the switch to WIFI mode, For Y/M series controller, just remove LAN cable will be ok.

(3) Wait for about 3 minutes, controller will come online. Please watch the "Internet" light, if it flashing regularly means online success, go to Taxihub platform and check it.
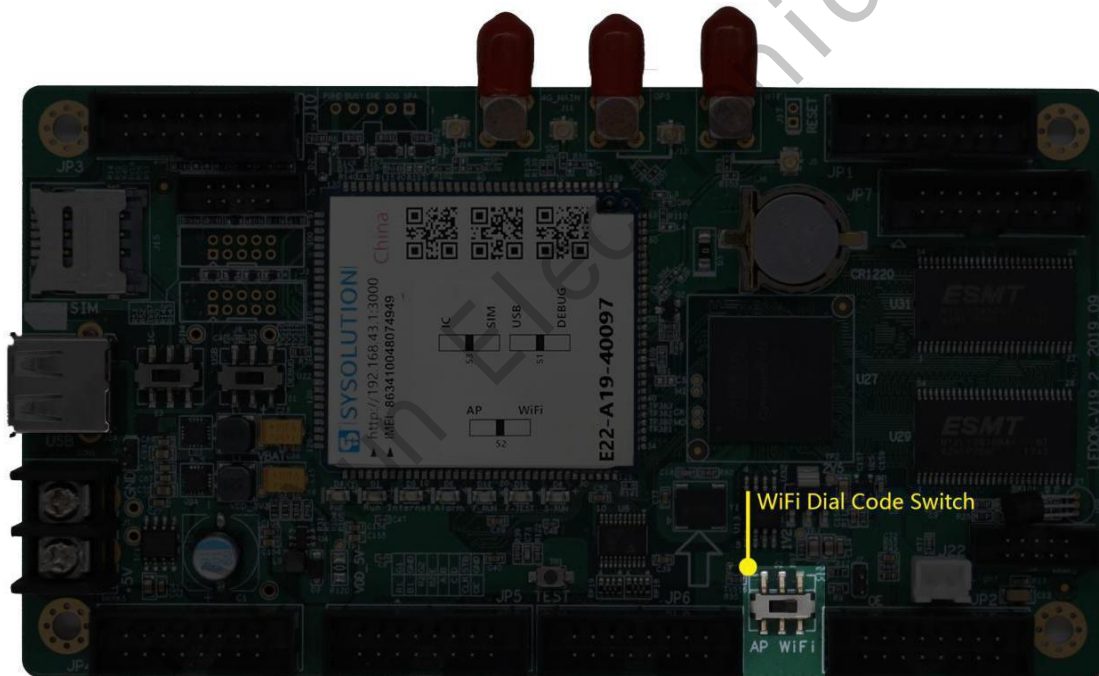
Notes:

If could not scanning the WiFi, please try to turn on/turn off Software or WiFi Switch.

If controller can't get access to internet through WiFi, please double check the steps below:

1) WiFi antenna plug correctly;

2) WiFi password is correct or not;

3) If the Wireless router being accessed too many terminals?

4) E series controller switch on WIFI mode?

5) Try another WIFI hot spot.

6) Y/M series controller, please make sure the LAN cable removed.

5. 3G/4G Configuration

(1) Enable 3G/4G option, Choose correct country code, 460 is Chinese code for example (If do not know your country code, please click Network status detection button and check IMSI number, the first 3 numbers are the country code).
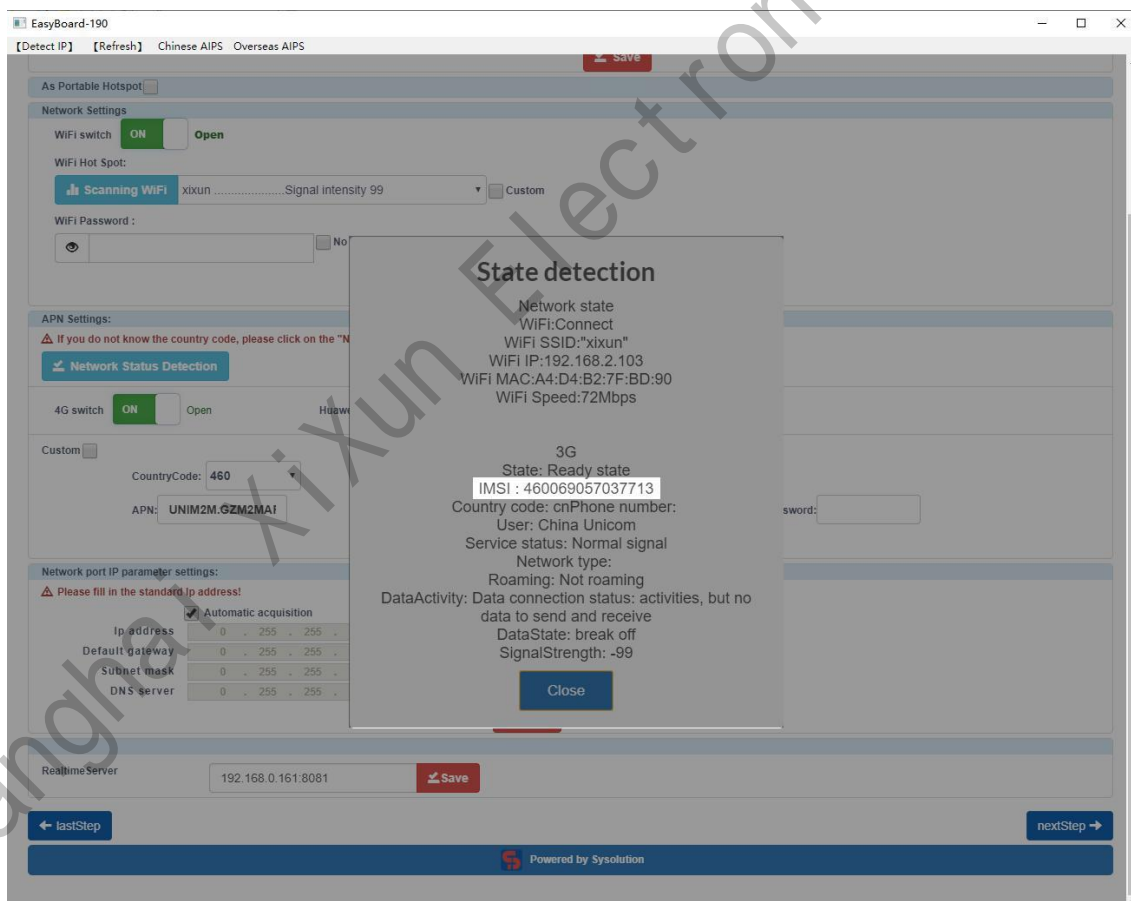
(2) Select the Operator name and input or auto-recognize the APN, then click "Save".

(3) After save 3G parameters, waiting for about 5 minutes, please check if card online in

Taxihub platform. "Internet" light will flashing fast for dialing up then flashing regularly

means get online success.

Notes:

If controller can't get online success, please checking following things:

1) 4G antenna has plugged correctly?

2) Y/M series controller, make sure the LAN cable removed.

3) APN is correct or not?

4) SIM card has activate? SIM card has enough money and 4G data service?

5) Check 4G signal at least 13 and above? Click Network status detection to check 4G signal.

Platform Release Program

1. Add AD

(1) Enter the "Release By Grouping" interface, and click ⊕ to add a program.

(2) Edit "Campaign Name".
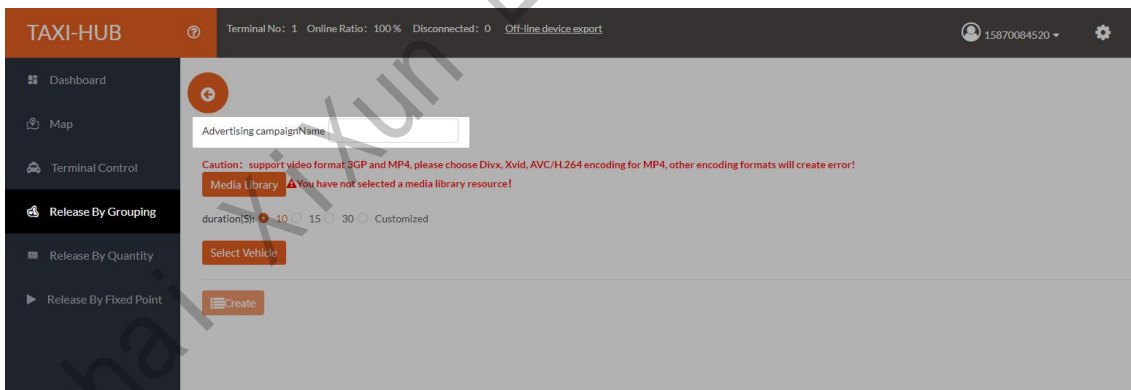
(3) Open the "Media Library", select an existing material or upload a local material, and then click [Yes] .
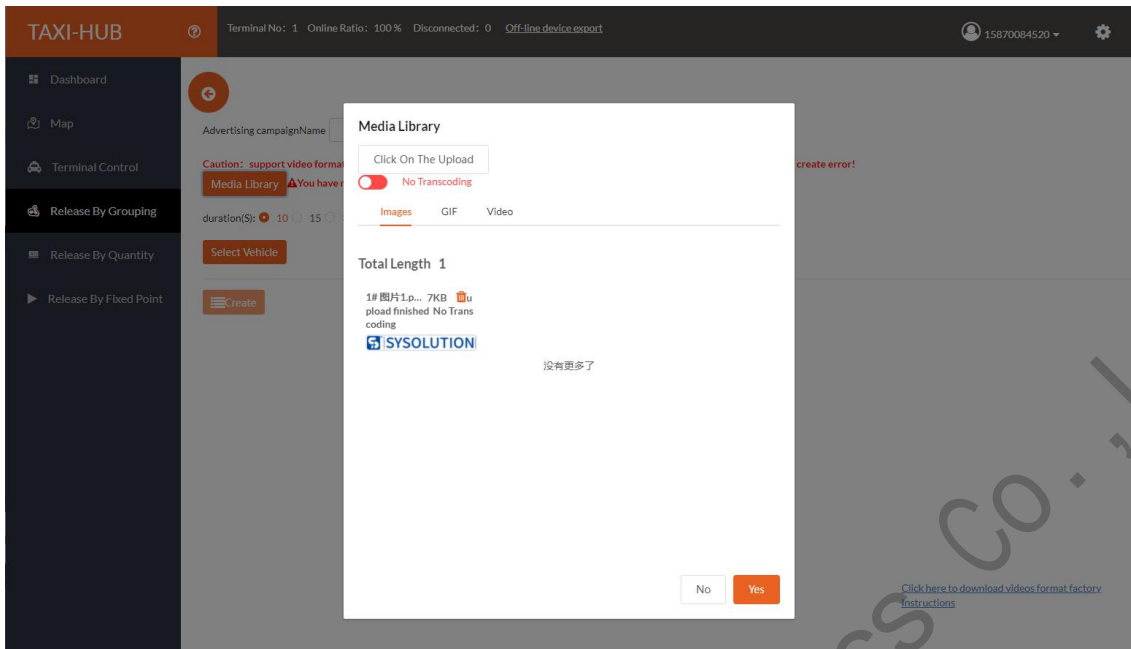
(4) Select "Duration", the image can choose the existing time long or a custom duration. (Unit

is second, video animation automatic identification time)

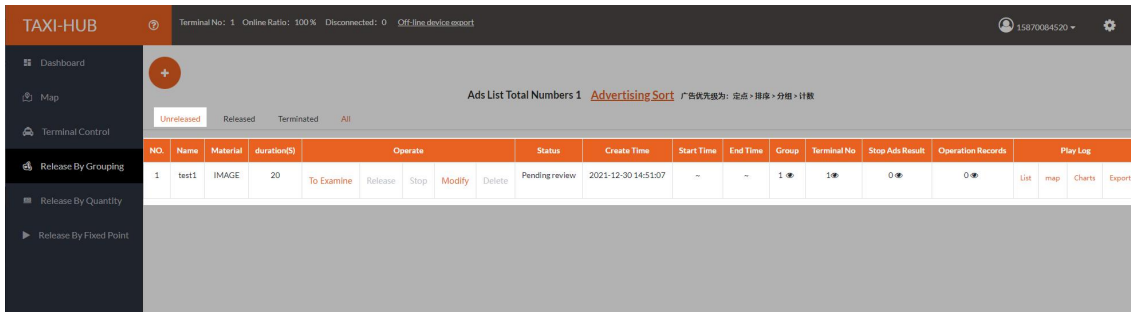
(5) Select the vehicle terminal group that plays the advertisement, and click [Yes] .
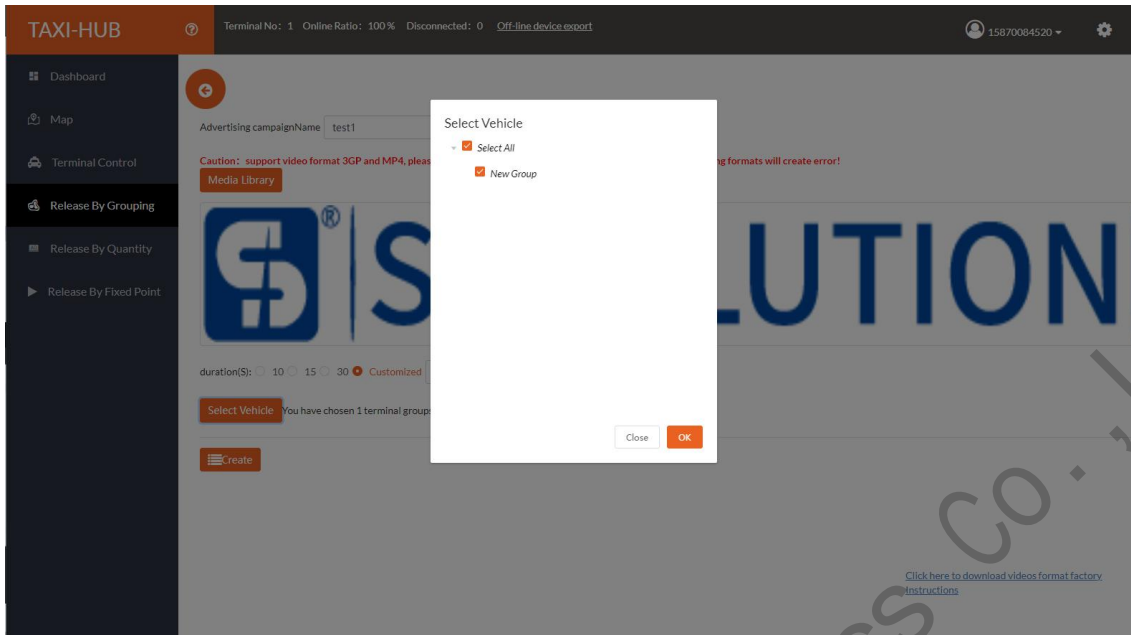
(6) Click to complete the ad addition.

2. Release Advertisement

(1) Go back to the "Campaign List" unreleased page.

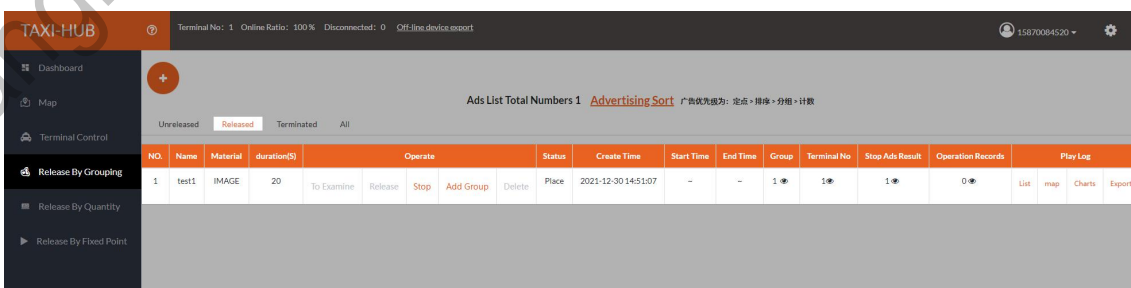(2) Click "Put" to choose to place the advertisement immediately, or set a timing for the

advertisement.
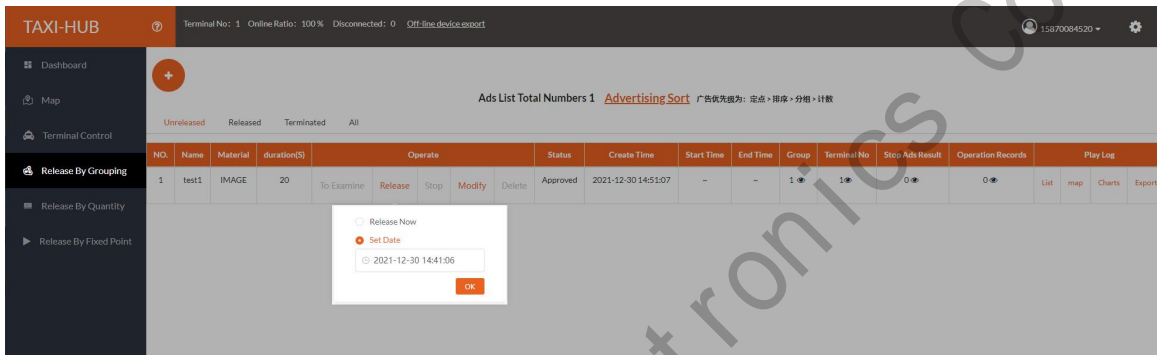
(3) Click "OK", there will be a window indicating whether the operation is successful.
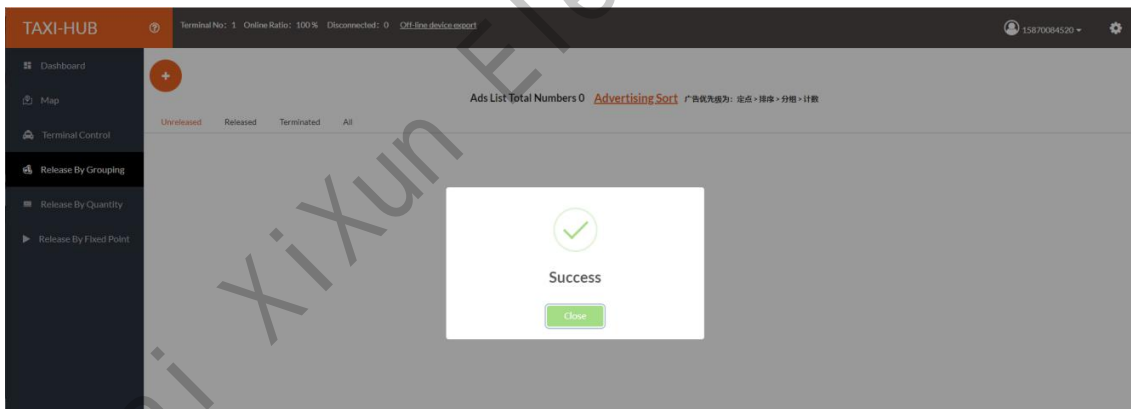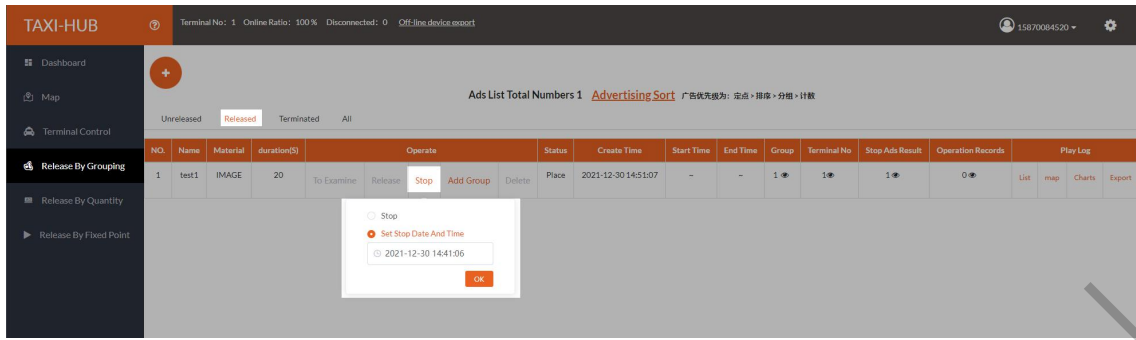

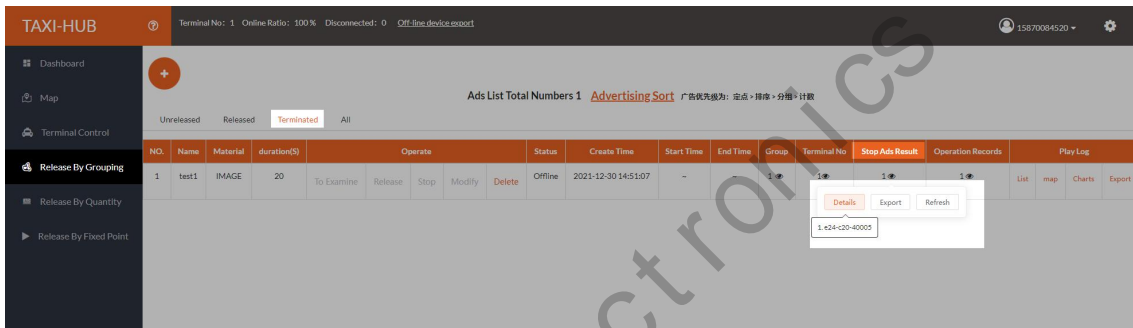(4) You can see the newly launched advertisement on the "Released" screen.

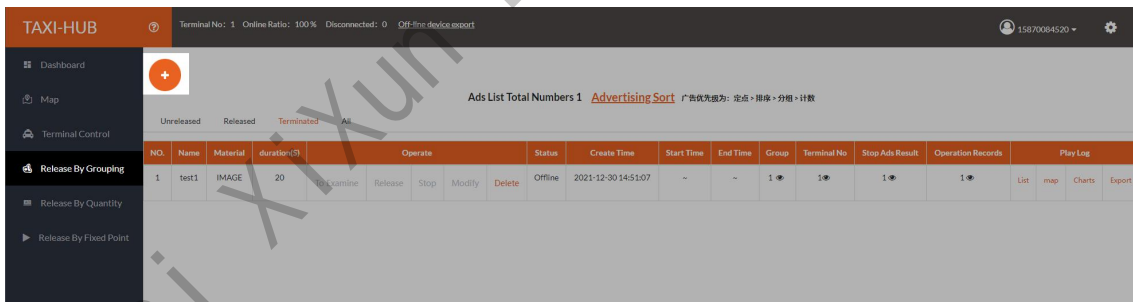(5) Click "Stop" to set the advertising playing period, when the time will automatically

remove the advertisement.

(6) In "Stop Ads Result", click "Details" to view the terminal that has downloaded and played

the AD.

(7) If you need to add more ads, click to add them again.

End Of Page

This is the end of the introduction on the use of E2X series, I hope that through this brief explanation, you will be helpful in the future use of the process.

Again, we thank you for choosing Shanghai xixun control card as your LED advertising equipment control system, if you have any questions or suggestions about our products, please call 400-608-6499or send mail to service @xixunled.com for feedback to us.

For more information on the Internet cluster control solution for LED advertising equipment control, as well as related instruction documents, please visit our website: www.ledok.cn for detailed information. If necessary, the online customer service will communicate with you in time. The industry experience will definitely give you a satisfactory answer, Shanghai Xixun sincerely looks forward to the follow-up cooperation with you!

Sincerely with our best wishes

Shanghai XiXun Electronics Co.,Ltd.

2022/04