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# **Chapter 1 Overview**

## 1.System module

The mobile APP-led art cloud platform contains a login interface, device, programs, materials, tasks and setting modules.



users and role management, etc.

# **Chapter 2 Module Function Introduction**

# 1.Login interface

#### 1) Account login

Open the "led art"software, the default is the stand-alone version, click "Settings" in the lower right corner, as shown in Figure 2-1, choose to switch to the cloud platform, you can enter the login interface.



Figure 2-1 Login interface

#### 2) Register an account

Click "Register Account" in the login window, Figure 2-2.

:01 ଲା ବ୍ଲ 🛛 🖉 🗩					
Register account					
User name					
4-20 characters, beginning	with a letter, cannot				
Password					
Password length is 8~32 dig	gits, and must conta				
Confirm password					
Please re-enter the passwor	Please re-enter the password				
Company name (optional)	)				
Please enter the company or team name					
Mobile phone number					
Please enter the associated mobile phone num					
Captcha					
SMS verification code	Get				
Agree <u>Terms of Service a</u>	nd Privacy Policy				

Figure 2-2 Account registration interface

Note: A. The verification code can be obtained by email

B. You must fill in the correct company name, mobile phone number, email address, so that the platform administrator can smoothly review.

#### 3) Recover password

Click "Forgot Password" in the login window, enter the mobile phone number bound to the account, the system will send a verification code to the mobile phone number, as shown in Figure 2-3, enter the verification code, the next step can reset the password, Figure 2-4.



Figure 2-3 Get verification code

11:09 <b>fiil</b> 🗟	2	<b>0</b> 🖿
<	Set password	
Enter	password	
Confirm	m password	
	OK	

Figure 2-4 Reset password

# 2.Device

Device management is divided into two parts: device list and device map.

Each online device defaults to the ungrouped list, Figure 2-5.

10:09 웨니 중	۵ 🖃
🛱 Device list	
ungrouped 31	^
A30-15-A2990 1024x512 BoxPlayer	•
A4-19-A03E2 576x576 BoxPlayer	•
A6-00-A6083 128x128 BoxPlayer	•
A6-19-A01AE 192x192 BoxPlayer	•
A6-19-A01CD 128x128 BoxPlayer	٠
A601-1709-A0803 800x600 BoxPlayer	•
A601-1709-A1021 192x192 BoxPlayer	•
A601-1709-A1980 1024x464 dqled	•
A602-1801-A2273 512x512 BoxPlayer	•
A603-0000-A0020 128x128 BoxPlayer	•
→ A603-1406-A3284 768x394	ŝ

Figure 2-5 Device list



represents online.

# 1) Device grouping

Click "😑 "in the upper left corner, Select "Manage Group" and click" 😤 "Create a sibling group, Figure 2-6.

10:09 ଶା ଲି	<b>ö</b> 🗖	10:10 #il ର	õ 🗩	10:10 #il 후	õ 🗩
🖹 Device list		K Management Group			
Separate Group	^	ungrouped	ļļļ	Group Name	¢ ∳
Management Group				Please enter a name:	
Remove device			- 1	shenzhen	
Search for x128			- 1		
A6-19-A01AE 192x192 BoxPlayer	•		- 1	Confirm	
A6-19-A01CD 128x128 BoxPlayer	•		- 1		
A601-1709-A0803 800x600 BoxPlayer			- 1		
A601-1709-A1021 192x192 BoxPlayer			- 1	1 2 3 4 5 6 7 8 0 w 8 r t v u i	
A601-1709-A1980 1024x464 dqled			- 1		• 7
A602-1801-A2273 512x512 BoxPlayer	•		- 1	asdfghj	k I
A603-0000-A0020 128x128 BoxPlayer			- 1	$\mathbf{\hat{C}}  \mathbf{\hat{z}}  \mathbf{\hat{x}}  \mathbf{\hat{c}}  \mathbf{\hat{v}}  \mathbf{\hat{b}}  \mathbf{\hat{n}}$	m 💌
A603-1406-A3284 768x394 ↓ ♦ ↑	= ©		_	符 123 🖌 , 🔮 . 中	/英 ←

Figure 2-6 Add subgroup

In the ungrouped devices, select the device, and then click "Set Group" above to assign to the corresponding group, as shown in Figure 2-7.

10:11 ដា/ តា	<b>T</b>	10:11 ଶା ଲ	<b>ö</b> 🗩	10:11 최미 후	۵ 🖿
🖹 Device list		Separate Group	确定	🖨 Device list	
Separate Group	~	늘 shenzhen		shenzhen 4	^
Management Group	~	ungrouped		A601-1709-A0803 800x600	•
Bundled program list Remove device				A601-1709-A1021 192x192 BoxPlayer	0
Search for x576 BoxPlayer	•			A601-1709-A1980 1024x464 dqled	•
A6-00-A6083 128x128 BoxPlayer				A602-1801-A2273 512x512 BoxPlayer	•
A6-19-A01AE 192x192 BoxPlayer				ungrouped 27	$\sim$
A6-19-A01CD 128x128 BoxPlayer					
A601-1709-A0803 800x600 BoxPlayer					
A601-1709-A1021 192x192 BoxPlayer					
A601-1709-A1980 1024x464 dqled					
A602-1801-A2273 512x512 BoxPlayer	•				
				<b>♀</b> ♦ ☆ ■	ŝ



In addition, in grouping, you can also create subgroups, as shown in Figure 2-9.



Figure 2-9 Group and then group

#### 2) Device details

Click on the device to enter the selected device details interface, on which you can view the basic information of the device,

Including information on the networking method, firmware version, playback status, remaining space, etc., Figure 2-10.

10:09 尙미 중	0	10:12 ដីអ៊ី 🛜 🚺 🐨 📼
🖹 Device list		C Equipment details •••
ungrouped 31	^	Device ID A6-00-A6083
A30-15-A2990 1024x512 BoxPlayer	•	Name BoxPlayer
A4-19-A03E2 576x576	•	Online status Offline
A6-00-A6083 128x128		Locked state No
BoxPlayer		FPGA version
A6-19-A01AE 192x192 BoxPlayer	•	Volume 80%
A6-19-A01CD 128x128 BoxPlayer	•	Remaining space 5.19GB
A601-1709-A0803 800x600 BoxPlayer	•	Playing state Playing the 3th show
A601-1709-A1021 192x192 BoxPlayer	•	Multi-screen synchronization Shut down
A601-1709-A1980 1024x464	•	Screen rotation Not selected
A602-1801-A2273 512x512		Play mode play in order
BoxPlayer	-	Key Function Screen test
A603-0000-A0020 128x128 BoxPlayer	•	Firmware version 7.1.51.0
A603-1406-A3284 768x394		Time
ע ¥ גז ₪	\$Q3	, ime >



> Device ID: the ID of the currently selected device;

- > Device name: the name of the currently selected device;
- Online status: online means the device is connected, offline means the device is disconnected;
- Firmware version: the current firmware version of the device, related to the function;
- > FPGA version: FPGA version of the current device, related to the display;
- Volume: the volume of the current device;
- Remaining space: the remaining space in the device;
- Playing state: open screen is LED screen power on state, close screen is LED screen power off state;
- Multi-screen synchronization: the content of multiple screens is the same, and the playback progress is the same;
- Screen rotation: screen rotation 90°, 180° and 270°;
- > Play order: sequential play or single program loop;
- Time: time on the device;
- Brightness: brightness on the device;
- Switch machine: switch machine time;
- Location: If the device is equipped with a GPS module, the device can be automatically positioned and displayed on the map;
- > Networking information: the way the device accesses the Internet-wired, Wi-Fi or 4G;
- Relay: If the device is added with a relay, you can set the screen power-on and power-on time;
- Rename: modify the device name;
- Timing Switch setting: timer switch LED display;
- Firmware upgrade: upgrade device firmware;
- Synchronization: Synchronously read back the device program, networking mode, remaining space, etc.; (The default will be automatic readback, this function will only be used when automatic readback is not possible, manual readback.)
- Release record: you can view the task release record of the device;
- Program information: you can view the number of programs in the device, the name of the program, the space occupied by the program, and you can "delete" and "preview" the program;
- > Online and offline records: you can view the device's online and offline records.

# 3) Delete program

Click [Device], then select "Program Information", select the corresponding program to delete, Figure 2-11.

0:09 fill 🙊	Ŭ 🔲	10:13 ដីil 🕱	- <sup>6</sup> =
Device list		< Equ	uipment details •••
ungrouped 31	^	Remaining space	5.89GB
A30-15-A2990 1024x512 BoxPlayer	•	Playing state	Playing the 1th show
A4-19-A03E2 576x576 BoxPlayer	•	Multi-screen synchro	nization Shut down
A6-00-A6083 128x128	•	Screen rotation	Not selected
A6-19-A01AE 192x192	•	Play mode	play in order
A6-19-A01CD 128x128	•	Key Function	Program switching
A601-1709-A0803 800x6	00	Firmware version	7.2.9.0
BoxPlayer A601-1709-A1021 192x1	92	Diabhaine	>
BoxPlayer	46.4	Brightness	/
dqled	••••	Networking informati	> Mined activade
A602-1801-A2273 512x5 BoxPlayer	•	Release record	wired network
A603-0000-A0020 128x1 BoxPlayer	28	Program information	~
A603-1406-A3284 768x3	a4	Online and offline rec	ords

Figure 2-11 Program deletion

# 4) other settings

Select a single device or multiple devices in the device list, and click "..." in the upper right corner to perform operations such as time correction, brightness setting, power on/off, GPS setting, and playback setting. Figure 2-14.



Figure 2-14 Other settings

# 3.Program management

# 1) Programme list

Click [Program] to enter the program list, Figure 3-1.

	✓ All shows 51	
	✓ New Program 10103 15.0s Full color 160*128	
	Vew Program 10549 152.0s Full color 32*16	a
	Figure 3-1 Program list	, <b>`</b>
	51 : means There are a total of 92 programs	
⊳	New Program : Program name, can be renamed	
$\triangleright$	Full color : Program type;	
	<sup>160*128</sup> : Program size;	
	15.0s : Total program duration;	
	10103 : Program ID;	
	<ul><li>If the icon is red, it means that the program is suspected of contain</li></ul>	ning sensitive
	words or illegal information, and it needs to be reviewed manually before	it can be
	released;;	

2) New program

Click" \*\* ", In the New Program dialog box, define the program name, set the screen width and height or select the corresponding device to read back the screen width and height, click "OK", Figure 3-2.

1:20 fil 🗟		Ŭ 🔳	11:20 淸리 중	<b>0</b> =
	Program list	+	K New prog	Iram
All shows 4	8	Ŷŀ	Program name	
New Progra	am 10103 0.0s	New program	New program	
Vew Progra	am 10549 0.0s	Batch release	Resolution	
Vew Progra	am 11206 0.0s	Delete show Release history	Width	1024
New Progra	am 11713 0.0s	Search for	Height	720
Vew Progra	am 11714 0.0s	Bind to playbill	Choose device	>
Vew Progra	am 13690 0.0s	0	Equipment type	Full color 🔻
Vew Progra	am 14374 0.0s	۲		
Vew Progra	am 16315 0.0s	<b>(</b>		
123 21177 Full color 64	7 0.0s	<b>(</b>		
	Release program	n		
			ок	
↓ §	5	≡ (\$}		

Figure 3-2 New program

# 3) Edit program

On the edit program page, you can add multiple areas, pictures, videos, text, etc. After editing, click "Save", Figure 3-3.



Figure 3-3 Program editing window

A. A. Select the picture or video area, you can add multiple pictures or videos to play in turn.



Figure 3-4 Add multiple pictures

B. Click on a picture or in the upper right corner" Can modify image attributes;





Note: The editing of video, text, and clock is similar. It is worth noting that the video, text or clock area of a program is overlapped. Multiple pictures or video can be added to a picture or video area. However, if you want to finish playing the picture After that, if you want to play video or text again, you need to add another program.

#### 4) Release programs

Exit the program editing interface, select one or more programs of the same size in the program list, and publish the program, as shown in Figure 3-6.

11:28 해 중	<b>t</b> 🔳	11:28 월리 🙊	۵ 🗖
Program list	+	Choose device	Release
New Program 177918 0.0s Full color 576*576	۲	Empty the show	
New Program 178740 0.0s Full color 576*576	۲	Group name, device name	Search for
New Program 178785 0.0s Full color 128*64	٨	Shenzhen 1	^
新建節目 185660 0.0s Full color 128*128	۲	A602-1801-A2273 512x512	•
新建節目 185662 0.0s Full color 128*128	۲	ungrouped 0	~
New Program 195948 0.0s Full color 128*128	۲		
ew program 200612 10.0s	۲		
ew program 200613 0.0s Full color 512*512	۵		
www.program 200614 0.0s	۲		
$\hat{\mathbf{m}}$ $\uparrow$ $\downarrow$	+		
Release program			
<b>□</b> 😂 ☆ 🗉	ŝ		

Figure 3-6 Release programs

Note: 1. When multiple programs are released at the same time, the screen resolution of the programs must be the same;

2. When releasing a program, if you choose to empty program, all the programs on the device will be cleared, and then update the new program; the default is not to open this option, the default is to add a new program after the original program;

3.If the program delivered has the same ID number, the program with the same ID number will be replaced by default;



Figure 3-7 Program ID

If the program ID-220 has been sent to the device, then if reedit, add pictures or videos, etc. in this program, and then send it again, the default will overwrite the previously sent program -220.

After the release is confirmed, check the sending status in the task, Figure 3-8.

11:30 해비 후 Task list	े 📼 रि	11:30 웨 숙 <	ت ا Task details
Update program 2020/07/09 11:29:51	0/1 >	Task ID	15526
9079 Update program 2020/06/17 09:09:18	0/1 >	Creator Event type	huidu_tancy Update program
		Task status	In progress
		Send successfully	0
		Failed to send	0
		Total events	1
		Creation time	2020/07/09 11:29:51
		Event list	1 >
	E		Undo

Figure 3-8 Task release details

## 5) Program list

In the upper right corner of the program management interface, "+", as shown in Figure 3-9, set the name of the program list, the screen width and height or select the device to read back the screen width and height, and then click "OK".

11:20 শ্রা হ্ল Program list	°■ +	11:31 #il 후 く New program list	<b>C D</b>	11:31 লা হ Program list	° = +
All shows (48)	ļţţ	Program name		All shows 51	~
New Program 10103 0.0s Full color 160*128	8	Program list		Program list 0s 0	¢
New Program 10549 0.0s	3	Resolution			
Vew Program 11206 0.0s Full color 32*16	8	Width	128		т
New Program 11713 0.0s Full color 768*394	۷	reigin	120		
Vew Program 11714 0.0s Full color 192*32	3	Choose device	>		
Vew Program 13690 0.0s Full color 64*64	3	Equipment type Full of	color 🔻		
New Program 14374 0.0s Full color 800*600	3				
New Program 16315 0.0s Full color 574*352	6				
✓ 123 21177 0.0s Full color 64*320	0				
Release program		OV		Release program	
⊊ <b>♦</b> ☆ 🗉	¢	OK			¢



A. Click  $\stackrel{\text{\tiny{select}}}{=}$ , Select "Bound Device"  $\rightarrow$  "Add", then select the device and click "OK", as shown in Figure 3-10.

11:31 fil 📚	<b>0 🗩</b>	11:32 fil 📚		0	11:32 fill 🗟	<b>T</b>
Program list	+	<	Bound device	Add to	Choose device	
All shows 51	$\sim$			Search for	Group name, device name	Search for
Program list 0s 0 Full color, 128128	<b>⇒</b>			- 1	ungrouped 12	^
□ ↑ ↓	New program			- 1	A6-00-A6083 128x128 BoxPlayer	•
	Untie			- 1	A6-19-A01CD 128x128 BoxPlayer	•
	Batch release Delete playbill			- 1	A603-0000-A0020 128x128 BoxPlayer	•
	Edit name			- 1	C10-17-CC9FD 128x128 BoxPlayer	0
	Release history		No data	- 1	C30-00-B5100 128x128 BoxPlayer	0
	Bound device			- 1	C30-17-C748D 128x128 BoxPlayer	
				- 1	C30-17-C7491 128x128 BoxPlayer	
	- 1			- 1	C35-C19-A09B0 128x128 BoxPlayer	0
Release program					D10-17-BDF85 128x128	
⊊ 😂 ☆	■ ŵ		Delete		Cancel	

Figure 3-10 Add device

- 11:32 📶 🤶 ° 🔳 510% 5 Program name All shows 51  $\vee$ Program list 0s 0 Full color 128\*128 Please enter a name New program + + .... ٢ Ŧ q w e r t y u i o p sd fg hjkl а ŵ cvbnm 🛥 z x ٩ 符 123 🗚 中/英 4 Ģ  $\hat{\Sigma}$ <u>ت</u> 7
- B. B. In the program list, create a new program, as shown in Figure 3-11.

Figure 3-11 New program

C. C. New program is the same as the program editing operation introduced earlier, you can create multiple programs, and then publish or synchronize these programs to the device, as shown in Figure 3-12.



Figure 3-12 Program list

Note: The difference between batch release and synchronized program list:

Batch release: On the device where the selected program is sent, the program on the device (the program ID is different from the currently released program ID) will be retained, and the new program (new ID) will be added to the device;

Synchronized program list: Whether the program in the program list is checked or not, it will be sent to the device, all the programs on the device will be cleared, and only the programs in the existing program list will be retained;

6) Play control

In the program editing interface, click on the upper right corner", You can set the duration, time period, day and date of the program, as shown in Figure 3-13.



Figure 3-13 Play Control

Note: After modifying the play control settings, you need to republish the program.

## 4. Material management

In the material list, all resource information can be previewed by default, and can also be filtered and previewed by pictures and videos, as shown in Figure 4-1. Click on a picture or video to enlarge the preview. In the unreviewed material, you can view the uploaded but unreviewed material.



Figure 4-1 Resource management list

In order to save time, you can upload the resources to be played (pictures, videos) to the server in advance, and directly call the resources on the server during the editing process, reducing the waiting time and effectively improving the efficiency.



Click the "+" button in the upper right corner of the material list, and click the "Select" button in the pop-up dialog box to select the material to upload, Figure 4-2.

Figure 4-2 Upload resources

#### 5.Task list

In the task list, you can view all records, select a task, you can view the task details and release status.

4:28 태( 영 Task list	© 7
Delete show	1/1 >
Update program	
2020/07/03 09:29:19	
2020/07/02 16:47:36	
2020/07/01 20:33:18	0/3
2020/06/19 11:00:59	1/1 >
2020/06/15 10:15:25	1/1 >
5931 Update program 2020/06/04 10:37:19	1/1 >
920 Update program 2020/06/04 10:10:09	1/1 >
Update program 2020/06/04 10:04:15	1/1 >
<b>□</b>	<b>≣</b> ∰



Among them, the statistical status: A/B, A represents the number of successful transmissions; B represents the total number of tasks (devices) that need to be successfully transmitted; For example, 1/1 means that a task has been successfully transmitted, and the total number of tasks is 1.

6.Setting management

The settings management includes three parts: system language, switching versions and my information, as shown in Figure 6-1.



Figure 6-1 Settings

#### 1) Language

Currently supports 20+ languages such as Chinese, English, Turkish, Spanish, Japanese, Russian, etc., Figure 6-2.

14:28 등il 🕤	<b>i </b>	14:28 Sil 🗢 🔞 🗉
Setting	IS	C Language
Language	>	Following system
Switch stand-alone vers	ion >	中文简体
Account	>	中文繁體
		English •
		Türk
		Deutsch
		español
		• فارسی
		<b>□★</b> 極
₽ 😂 ☆	= <b>©</b>	Cancel OK

Figure 6-2 Language modification

Among them, the following system is the language of the mobile phone, and the software language will be switched to. If the mobile phone system language software does not support it, it will be switched to English. 2) Cloud platform/standalone version switching

As shown in Figure 6-3, after switching to the stand-alone version, the supported functional modules are different.

14:28 <b>äl</b> l 🕱	õ 🗈	14:29 til ର ତ
Settings		Program list +
Canguage	>	
Switch stand-alone version	>	
Account	>	
		No screen
		New display
		Herr display
	= 🄅	Program Device Settings

Figure 6-3 Cloud platform/standalone version switching

# 3) My information(Account)

My information includes user name, business name, mobile phone number and email, etc., Figure 6-5.

14:28 fil 🙃	<b>ö</b> 🗈	14:29 តឺរl 🗟 🔳
Setting	js	< Basic Information
Canguage	>	Account ID 1091
Switch stand-alone vers	sion >	User name huidu_tancy
Account	>	Company Name huidu
		Mobile phone number
		Mailbox
		Character Enterprise administrator
		Last login 2020/07/09 14:26:58
		Last login IP 113.91.146.29
		Change Password
		Cine out
♀ ◈ ☆	<b>≡</b> Ø	Sign out

Figure 6-5 my information

#### PS: Cloud platform device binding instructions

1.Register an account

Access the cloud management platform server through the browser: <u>www.led-cloud.com</u>, register an account, you can skip this step if you already have an account. (Note: One account can bind multiple control cards, not one control card can only be bound to one account)

	0
Register account	
User name	
4–20 characters, beginning with a letter, ca	annot
Password	
Password length is 8~32 digits, and must	conta
Confirm password	
Please re-enter the password	
Company name (optional)	
Please enter the company or team name	
Mobile phone number	
Please enter the associated mobile phone	num
Captcha	
SMS verification code Get	

2.Account and control card binding settings

Connect the control card to the computer with a network cable, open the full-color debugging software HDPlayer, and after the screen debugging display is normal, click [Settings]-[Cloud Server] to set the server address and user name.

S HDPlayer			-		-		100			
File Setting Control Language H	elp									
💿 Program 🧧 Custom area 🕻	🔟 Video   Photo 📑 Text	💼 SingleLin	eText 🛛 🔞 3D text	S Office	🕢 Clock	🚱 Animation	🦉 Timing	] Temp	🍦 Huni di ty	» 📀
🕒 Send 🗞 To U-disk 🔍 🔍	1 + +									
● ■ 5万年 ● ■ 5万年 ● ■ 5万年 ● 〒月1 ● 〒月1 □ 16約1								N 131 1		
Program properties	Play mode	58.05 Play	· control						9	100% -
Trane	Play times	<b></b>	pecified time							
1 v	- 1 +					Ψ.				
🕅 Background Music	⑦ Fixed length	E 5	pecify the week							
	0:00:30					*				
		E \$	pecify the date							
						Ψ.				
Device Connected:[批量注册测试:C30-C	0-A0817]									



🕑 Cl	oud Server				×
	Device ID	Device name	Server/Port	Username	
$\checkmark$	A602-1801-A2273	BoxFlayer	www.led-cloud.com 🗙	hui du_tanoy	×

OK	Cancel

C

#### 3.Connect the control card to the Internet

Control card access to the Internet: 1). Connect via 3G/4G; 2). Connect directly to the control card via a network cable capable of Internet access; 3). Bridge to an existing wireless network capable of Internet access via a Wi-Fi module

#### 4.Control card online

Log in to the cloud platform server and display the newly bound device in the list of unaudited devices in the device catalog. The green icon for the online status indicates that the device is currently online, and the gray icon indicates that the device is offline.

A602-1801-A2273 BoxPlayer	512x512
A603-0000-A0020 BoxPlayer	128x128

# Note: If the device still cannot go online, use the following methods to troubleshoot the problem.

- Check whether the address and user name in the server settings are correct. The user name must be the user name filled in during registration. You cannot use full-width input. You cannot fill in the mobile phone number but you can use it to log in to the cloud platform server.
- If using 3G/4G access to internet
  - Check whether the SIM card is inserted and confirm whether the SIM card is in arrears;
  - Confirm whether the 3G/4G module is plugged in. Check whether the module can be detected in the software. Connect the control card to the computer with a network cable, open the full-color debugging software HDPlayer, click [Control]-[Device Information], if the [3G/4G Settings] option is available in this interface, the module connection is normal.
  - Check whether the 3G/4G signal is normal, you can check the signal strength in [3G/4G Settings], if the signal strength is less than -110dBm, it means no signal, the signal is normally in the range of -50dBm~-90dBm or greater than -50dBm;



Select device:	A601-1606-A0984 前台 A60	)1+4G	• • •
	Vifi		
Device Information	Module	Not accessed	
Brightness setting	3G / 4G network		۲
Time correction	Module	EC20	
Switch machine settings	cellphone number		
Network settings	network status	LTE-FDD	atti
~	other information		
	Key function	Screen Testing	Edit
	Brightness sensor	Not accessed	
	Temperature Sensor	Not accessed	
	Humidity Sensor	Not accessed	
	GPS +	Not accessed	

Select device:	A601-1606-A0984	前台 A60	1+4G	• • •
Device Information	АРИ			
	APN		3gnet	/ 0
rightness setting	Mobile number:			
ime correction	RSSI:		-24 dBm	att
witch machine settings	Operator:		CHN-UNICOM	
letwork settings	Roam:		Non-roaming	
G / 4G settings	Network:		LTE-FDD	
tartup screen	Status:		Register	
Trial authorization	Manufacturer: Questel E		Questel EC20	
	IMEI:		868323021801698	
	Version:		EC20CQDR02A03E2G	

Note:some SIM card need to set the APN,can ask the SIM card operator.

- The network port of the control card debugging can not be connected to the computer, just unplug the network cable.
- For network cable connection, please confirm whether the network cable can access the Internet normally

5.Quick troubleshooting of 3G/4G problems with Dx0, Cx0 and other control cards

The new version of D15/D35/C15/C35 adds 3G/4G/WIFI module indicator to the board. According to the indicator status, you can preliminarily judge the working status of the module



The LED indicator has five states: off, flashing red, red, yellow and green. The details are as follows:

- 1) The Lamp is off
  - A. When the network cable is connected, the network cable has priority and the lamp is off
  - B. The 3G/4G module cannot be detected and the lamp is off.
- 2) Red Lamp flashes
  - A. No SIM card detected, red Lamp flashes
- 3) Red Lamp always on
  - A. No signal, the red lamp is always on
  - B. The SIM card is not in arrears but there is no flow, and the red lamp is always on;
  - C. The SIM card is in arrears and there is no data. The red lamp is always on.
- 4) Yellow lamp is always on
  - A. The SIM card is in arrears but has traffic, the yellow lamp is always on
  - B. Unable to connect to the server, the yellow lamp is always on
- 5) Green lamp always on

Normal operation, the green lamp is always on.