

E2X Series Screen Configuration And AIPS 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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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.

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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;

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Interfaces Description





E26interfaces & description

Technical Parameters

Features	Description			
Туре	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	40	G full Netcom、WiFi、U	SB	
СРИ	Quad-co	re A7 (32bit) four core	es 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			
. +		-China FDD-LTE: B1/3		
3G/4Gfrequency	-	TDD-LTE: B38/39/40/4	1	
(OPTIONAL)	TDSCDMA: B34/39			
	WCDMA: B1/8			
	CDMA 1X/EVDO: BC0			
C.C.	GSM: B3/5/8			
Audio support				
Camera	support			
Weather forecast	support			

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Readback display content	support
Software	Easyboard

Hardware Connection Diagram



Software Operation Procedures



LED Display Smart Setup

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).



Step 1

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1. Select "Smart setup" option and enter.

EasyBoard-191	AIRC	- 🗆 X	
[Detect IP] [Refresh] Chinese AIPS Ove	Iseds AIPS		
A Select operation		EasyBoard-v191	
Current control card:e26-b19-40037			
CardSystem settings			
	lED screen smart setup wizard		хV
	C LED screen configuration import and export		
	System common parameters settings		
	al System network server configuration		
	C LED screen test		
	System version management		
	* Advanced parameter setting		
	Binding Terminal		
	Return to previous menu		
	Powered by Sysolution		
Guide			
Step 1: Click on Intelligent Settings for LED Scree	ins , start the wizard to configure the display module and cascade settings, and adjust the relevant ope	ration of the display +	

2. Choose Yes to set the module for tip message.

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tect IP1 [Refresh] Chinese A	NPS Overseas AIPS	
teering Energiany enmeses		A
Select operation		EasyBoard-v191
Current control card:e26-b19-40037	If the display screen is displayed normally, you can choose "No"	
CardSystem settings	if you do not need to re-intelligently set, and go directly to the next "Cascade Parameter Setting".	
	Click was' to get the module slick	
	Click yes to set the module, click	
	'Skip' to cascading settings?	
	Yes Skip	2
	· · · ·	
	Binding Terminal	
	Return to previous menu	
	🗣 Powered by Sysolution	
	×	
UIIOR .		

3. Enter one module width and height pixels, F/C: 1, RGB group: 2, decode: 138 decoding

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E FacyRoard-101	-	×	
[Detect IP] [Refresh] Chinese AIPS Overseas AIPS			
		-	
Intelligent Setting Step one	EasyBoard-v1	91	
Current control card:e26-b19-40037			
		-	
This page parameter is an example parameter, which can be found on the di	splay module.		
Module height(px): 32 v Custom			X
Input flat cable number: 1 Custom			
RGB group: 2 V Custom			
Decoding Type: 138Decoding •	\sim O		
← lastStep	nextStep -		
Powered by Sysolution			
		•	
Step 2 To 4			
Dete Delevite			
Data Polarity			
Choose correct answer according to screen changes			
D [*]			

etect IP] [Refresh] Chinese Al	PS Overseas AIPS	
ntelligent setting Step two:Da	na Polarity	EasyBoard-v191
Current control card:e26-b19-40037		
Status one:	Status two:	
Screen status: Status one off,status	two on 🔻	
← lastStep		nextStep →
	Rowered by Sysolution	
		CO
		. 5
		•

Blanking Polarity

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5. Please choose correct answer according to screen changes.

T Intelligent setting Step three:	Blanking polarity	EasyBoard-v191
Current control card:e26-b19-40037		
Status one:®	Status two:	
Screen status: Status One bright,St	atus Two dark 🔻	×
← lastStep		nextStep →
	Powered by Sysolution	
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6. Please choose correct color according to screen changes.

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EasyBoard-191 Detect IP1 【Refresh】 Chinese AIPS Overseas AIPS			– 🗆 X
			-
Intelligent setting Step four:Color combination			EasyBoard-v191
Current control card:e26-b19-40037			
Color One: Red			
©Color Two: Green ▼			
OColor Three: Blue •			
OColor Four: Black •			
← lastStep		(nextStep →
	Powered by Sysolution		
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Static Scan

7. Please select how many bright lines and how many interval lines according to screen.

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EasyBoard-191	– 🗆 X
[Detect IP] [Refresh] Chinese AIPS Overseas AIPS	
Intelligent setting Step five: Static scan	FacyRoard-u191
Current control card:e26-b19-40037	
Number of bright lines in the module: 1 Custom	
A Remark: if only one bright line then must choose "only one bright line"	
Number of intervals bright line between two lines : 0 or only one bright line 🔻 🔲 Custom	
← lastStep	nextStep →
Powered by Sysolution	\sim
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
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	*
p 6 Ana 7	
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/ order inference	

- to
- 8. Normally will see two bright pixels, find out which row it is. Click the correct position in the software, After done, remind message will pop up and ask you go to next step,

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#### Walking Point Rule

Normally will see one flashing pixels in the module, also need to find its position, in which row and which column and then click in the software correctly, When click the first pixels correctly in the software, the second pixels will show up immediately, need to click in the software for the second pixels either, then third,......

9. Just need to watch the pixels movements in the module and click in the software correctly. After done, the module will show bright lines. Meanwhile, the tip message will pop up to ask you go to next step after confirmation

_		Erron		Cilli			. rende	og All																			-
A		Intellig	ent set	ing Ste	p seve	n-Walki	ing poli	it rule																EasyB	oard-v1	91	
Cun	rent cor	itrol ca	rd:e26-	b19-40	037																						
Intelligent setting Step seven. Walking point rule     Current control card: #28-b19-40037																											
<b>A</b>	:Obser	ve the	scree	n, selei	at the s	erial n	umber	of the	screen	i highli(	Ints			8				C			oint						
			•			•																					
	14	2	2		1	6	7			10	-	12	12	14	15	16	17	10	10	20	91	22	22	24	25	26	
1		2	J	4	5	U		8	9	ĨŪ		12	13	14	10	10	17	10	19	20	21	22	23	24	20	20	
2									Obs	erve	the	disp	ay so	reer	afte	r th	e stro	oke p	point	is s	icces	ssful	lf tł	ne di	splay	is	
-						-			nori	mal, 1	the c	lispla	iy sci	een '	will s	how	the	diag	onal	state	e. If t	he sl	ash i	s abi	norm	ial,	
3									plea	ise cl	neck	the I	modu	ule in	form	atio	n and	d do	the	abov	e op	erati	on a	gain		_	
4									_				, ,				100.1	HID. 73		11111. 1							
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5																			20								
5 6																											
5 6 7		8																									9
5 6 7 8																											
5 6 7 8 9																											
5 6 7 8 9																107 10		P.4									
5 6 7 8 9 10																	CHUR Y	1000	and the second	-	4						
5 6 7 8 9 10 11																											

#### **Cascading Settings**

10. Write down the cascading setting parameters according to the module information and

receiving cards numbers.

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EasyBoard-191		<u>100</u> 4		×	
[Detect IP] [Refresh]	Chinese AIPS Overseas AIPS				
<b>A</b> Cascade Settim	28	EasyB	oard-v191		
Current control card:e26-	19-40037				
Module width(px): 32	The width and height pixels of one module Custom Module height(px): 32 V Custom				
Receiving card width(px):	The width and height pixels of receiving card           128         Receiving card heightheight(px):         128				X
First set block - and th     Block Param	en set cascade!				
Cascade settings	Friendly tips	S			
Vertical card number	2     +     -     Horizontal card number     2     -	]		-	
	Vertical and horizontal card number of the whole screen				
	Main_card     Receive_card:1       position:(0,0)     position:(1,0)       WidthxHeight:128x128     WidthxHeight:128x128				
	Receive_card:2     Receive_card:3       position:(0,1)     position:(1,1)       WidthxHeight:128x128     WidthxHeight:128x128				
	O Backspace				
← lastStep		nextS	itep 🔶		
	Powered by Sysolution			•	

- 11. first click should be master card, the second click is the first receiving card, and so on. (If click wrong, please click "Backspace" button and redo it. )
- 12. The click sequence of cascading setting according to the connection sequence of receiving cards,



13. Press "Set" button after confirmation, then watch the screen image correct or not, if correct, click "Save" button, then cascading setting parameters will be stored in

controller automatically.

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1-1	1-2	1-3	1-4	1-5
2-1	2-2	2-3	2-4	2-5
3-1	3-2	3-3	3-4	3-5
4-1	4-2	4-3	4-4	4-5
5-1	5-2	5-3	5-4	5-5
6-1	6-2	6-3	6-4	6-5
7-1	7-2	7-3	7-4	7-5
8-1	8-2	8-3	8-4	8-5
9-1	9-2	9-3	9-4	9-5
10-1	10-2	10-3	10-4	10-5
11-1	11-2	11-3	11-4	11-5
12-1	12-2	12-3	12-4	12-5

#### **Effect of Micro Adjustment**

There is an optional function, if LED screen display all good without any problem, then can omit this step. But if LED screen display with some lines or irregular pixels, please try these micro adjustment.

- Scan clock: range 25MHz-2.0MHz, default is 12.5MHz, higher scan clock higher refresh rate;
- **Effect adjust:** range 0-41. When there some shadow pixels or irregular /flashing lines in the screen, please adjust the effect number, higher numbers means lower refresh rate;
- **Refresh rate and brightness selection :** can leave with default one ; there are three choices including high light lower refresh, middle light middle refresh, low light high

refresh;

- Gray level: 65536 is default one;
- 16/20 : select different types according to the HUB type ; need some professional knowledge of hub;
- Lock phase: there are 5 levels for different types of LED module.
- When LED screen display irregular pixels or broken image, could try this function;
- **Blanking:** 400 is default;
- **Phase:** 2 is default.
- Note: no need to change or adjust for default parameters.

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				*
	Scan clock 12.5MHz 🔻			
	Effect adjust		+ - (0-41)	
	Refresh rate and brightness selection High light Low refresh <b>v</b>			
	Gray 65536 V Custom			
	1 2.8 3 2.8			
		Set ramaValue		
				<b>N</b>
	16/20 Normal 16 Y	Lock phase 7 T Custom	-01	
	Blanking 400 T Custom	Phase 2 V Custom	$(\mathbf{y})$	
	<i>提细发片</i> 16017 ▼		5	
	前置使能 00 (hex)			
	寄存器1			
	是否有效 04 (hex)			
	高(hex) (嶝(hex)			
	6 00 00	<u> </u>		
	8 00 00	6		
				194
		÷		
	± Save			
				-
Im	port & Export	Config	uration	
	port & export	Comig	uralion	
	2			
	200			
Imper	Configuration File			
With co	rrect FPGA parameters, select " LE	D Screen Configura	tion Import and Export'	1
)	• •		1 1	

option.

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[Detect IP]	] [Refresh] Chinese AIPS Ov	erseas AIPS	
<b>•</b>	Select operation		EasyBoard-v191
Currer	t control card:e26-b19-40037		
🗐 Ca	rdSystem settings		
		LED screen smart setup wizard	
		C LED screen configuration import and export	
		System common parameters settings	
		Jul System network server configuration	
			-0
			5
		Advanced parameter setting	
		Binding Terminal	
		Return to previous menu	
	_	Lowelen of Szonmon	
Guide Step 1: 0	lick on Intelligent Settings for LED Scre	eens', start the wizard to configure the display module and cascade settings, and adjus	st the relevant operation of the display 👻
Upload	l hardware fpga fi	le.	
		L'IL	
N	a'r		

🗈 EasyBoard-191			- 🗆 ×
[Detect IP] [Refresh] Chinese AIPS Overseas	AIPS		
LEO screen configuration import and export			EasyBoard-v191
Current control card:e26-b19-40037			
▲ Download, upload hardware parameters are FPGA fil	es!		
Download Hardware Parameters	🔷 Loading hardware parameter		
Open the copy function			
1TH			×
	0.25		20.00.25*
	5_23	▼ 0 按案 204	
组织 ▼ 新建文件夹	A		
● OneDrive 当标	修成口用	<b>类型</b> 大小	
▲ WPS网盘 hardware.fpga	2020/9/28 14:00	FPGA 文件 5 KB	
■ 此电脑			
1 3D 对象			
■ 图片			
2 文档			
➡ 下载			
♪ 音乐			
重 桌面			
🏪 本地磁盘 (C:)			
本地磁盘 (D:)	C 1		
_ 本地磁盘 (E:) ∨			
又1年音(11): [hardware.tpga		Custom	riles
		打开	(0) 取消
			<b>*</b>

2. There will be a tip message pop up to showing the result, "Good Job" means the parameters have successfully imported to other cards.

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<b>A</b> LED screen configuration imp	ort and export				EasyBoard-v19	n
Current control card:e26-b19-40037						
Download, upload hardware parame     Download Hardware Parame	ters are FPGA files! ameters	Loading hardwa	re parameters			
Open the copy function	File uploa	Good j ad success, please OK	ob! e wait for the upgrad	ie!	3	
			,ct			

### **Readback Configuration File**

Download The Hardware Parameters" and then could readback the correct parameters from

the LED control card.

EasyBoard-191				) X	
Detect IP] [Refresh] Chinese AIPS Overseas AIPS					-
LED screen configuration import and export			EasyBoard	1-v191	
Current control card:e26-b19-40037					
▲ Download, upload hardware parameters are FPGA files!					-
Download Hardware Parameters	neters				
Open the copy function					
http://192.168.9.154:2016/download?file=hardware				×	
← → ◇ ↑ 📑 → 此电脑 → 桌面 → 2020 09 25	ٽ _~	搜索"2020 09 25"			ľ –
(1)(1) → 新建文仕本		C		0	
■ <b>此申脑</b> ^ 名称 ^ 修改日期	美型 大小		)		
□ 3D 対象 沿右与接索	条件匹配的项。	C			
- 视频		5			
國防					
▼ NST N ÷C					
□					
本地磁盘 (D:)					
本地磁盘 (E:)					
→ 网络					
文件名(N): hardware.fpga	,			~	
保存美型(T): All Files (*.*)				~	

NOTE : FPGA file including the intelligent setup file, cascading settings file and effect



### System Common Parameter

Please select "System Common Parameters Settings" in the main menu and enter the

following interface.

EasyBoard	1-191		- D X	•
etect IP]	[Refresh]	Chinese AIPS	Overseas AIPS	
A	Select operation		EasyBoard-v191	
	_			
Current co	ontrol card:e26-	b19-40037		
CardS	ystem settings		Co	
			CED screen smart serup wizard	
			C LED screen configuration import and export	
			System common parameters settings	
			The width and height, brightness and volume	
			of the module can be set.	
			LED screen test	
			System version management	
			* Artivanner i harameter setting	
			* rendrance parameter country	
			Binding Terminal	
			Return to previous menu	
			Powered by Sysolution	
Buide				
Step 1: Click	k on Intelligent	Settings for LED S	Screens', start the wizard to configure the display module and cascade settings, and adjust the relevant operation of the display 🔷 👻	

Set alias: set a name for controller;

Control card language: Chinese or English;

Control card time zone: choose your local time zone;

**Set the width and height of the whole screen**: Width and height pixels for the whole LED sign; press save;

**Volume settings:** range 0-15. Input the volume number you need or use the add/reduce

 $\sim$ 

button (add 4, reduce 1);

Brightness settings: It is divided into manual and automatic. Click save after setting.

Manual brightness: Can input the number directly or use the add/reduce button (add 4,

reduce1);

Automatic brightness: higher sensor sensitivity then higher degree of accuracy (add 5 reduce

5).

NOTE: all numbers could not exceed the range, or will invalid.

	System (	ommon Par	ameters Setti	ngs									EasyB	oard-v
Cu	irrent control card	:e26-b19-4	0037						C					
s	et alias:				1		X				≤Save			
C	ontrol card la	nguage:	English	T		Control car	d time zone	e:						
						China st	andard tir	me (l	Beijin	g)		•		
Sc	reenWidth 2	24		px (1~540)										
Sc	creenHeight 6	6		px (1-960	Sava									
Vo	Timing	±sa	IVE	0						+ -	(0~15)			
R	BBrightness	Red	255					+	-	(1~255)				
	G	reen	255					+	-	(1~255)				
		Blue	255					+	-	(1~255)				
							± Save							
	inhtaose Sattinge													

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### **System Network Server Configure**

Select "System Network Server Configuration" and enter the following interface:

EasyBoard-191		– 🗆 ×
etect IP] [Refresh] Chinese AIPS	Overseas AIPS	. *
A Select operation		EasyBoard-v191
Current control card:e26-b19-40037		
CardSystem settings		$\sim$ $\circ$ $^+$
	0.57	
	CED screen smart setup wizard	
	C LED screen configuration import and export	5
	System common parameters settings	
	ul System network server configuration	
	LED screen test The cloud platform account configured with WiFi, 3G/4G, etc	can be authenticated and
	System version management	
	* Advanced parameter setting	
	Binding Terminal	
	Return to previous menu	
	Powered by Sysolution	
Guide Step 1: Click on Intelligent Settings for LED	Screens, start the wizard to configure the display module and cascarie settings, and artist	st the relevant operation of the display

#### Bind web platform address and company ID

Input web server address and Company ID, click save.

Web server address: www.ledaips.com

EasyBoard-191      EasyBoard-191      Easter 191      Eas	– 🗆 X	
[Detect IP] [Refresh] Chinese AIPS Overseas AIPS		
Configure The Network And Web servers	EasyBoard-v191	
Current control card:e26-b19-40037		
The company ID is the company ID registered with the corresponding server		
Web Server Address: www.m2mled.net Company ID: H12U2UU328		
🛫 Save		κ 1
As Portable Hotspot		
Network Settings		
WiFi switch ON Open		
WiFi Hot Spot:		
All Scanning WiFi officeSignal intensity 99 V Custom	$\sim 0$	
WiFi Password :		
• No will password		
∠ Save		
APN Settings:		
A II you do not know the country code, please click on the "Network Status Detection" view IMSI, the first three digits for the national code		
Z Network Status Detection		
4G switch OPen		
Custom		
CountryCode:		
APN:		
Paramart Sava		
Fassword		
Problim Schutz		
KesinineServer ∠Save		
	nevtSten =>	
	Пехкајер	
Powered by Sysolution		
" Network status detection " press this button and detect the curren	t network connectio	on
, press this batton and detect the earter		011
tatus and signal strength.		
0		

asyBoard-190		– 🗆 X
ect IP] [Refresh] Chinese AIPS Overseas AIPS	∠ Save	
As Portable Hotspot		
Network Settings		
WiFi switch ON Open		
WiFi Hot Spot:		
Is Seanning Wilfel vivun Signal inter	scity 00 Custom	
WiFi Password :		
	State 1 and 1	
	State detection	
	Network state	
PN settings:	WiFi:Connect	
a in you do not know the country code, please click on the "	WIFI SSID:"XIXUN" WIEI IP:192.168.2.103	
Network Status Detection	WiFi MAC:A4:D4:B2:7F:BD:90	
	WiFi Speed:72Mbps	
40 switch Open Huaw		
ustom	3G	
CountryCode: 460 T	State: Ready state	
	IMSI : 460069057037713	
APN: UNIM2M.GZM2MAF	User: China Unicom	sword:
	Service status: Normal signal	
letwork port IP parameter settings:	Network type:	
Please fill in the standard Ip address!	Roaming: Not roaming	
Automatic acquisition	data to send and receive	6
lp address 0 . 255 . 255 .	DataState: break off	
Default gateway 0 . 255 . 255 .	SignalStrength: -99	
DNS server 0 255 255	Close	
0. 200 . 200 .	01030	
tealtimeServer 192.168.0.161:8081	∠Save	
- lastStep		nextStep →
	Powered by Sysolution	
		· · · · · · · · · · · · · · · · · · ·
onfigure		
Singare		

#### WiFi Configure

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enable "WiFi switch", waiting for 3 seconds, and click "Scanning WiFi", select the WiFi name and write down the WiFi password. Click "Save".

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asyBoard-191	- 🗆 X
tect IP] [Refresh] Chinese AIPS Overseas AIPS	
	í
Configure The Network And Web servers	EasyBoard-v191
Current control card:e26-b19-40037	
Web Server Address: www.m2mled.net	Company ID: HT20200328
⊻ Save	
As Portable Hotspot	
Network Settings	
U WiFi switch ON Open	
WiFi Hot Spot:	
2 In Scanning WiFi officeSignal intensity 99 🔹 🔲 Cus	stom
WiFi Password :	$C > \square$
3 💿 No wifi password	
Numbers represent the order of operations ④ 🖌 Save	5
APN Settings:	
${f \&}$ If you do not know the country code, please click on the "Network Status Detection" view IMSI, the first t	three digits for the national bode
🗠 Network Status Detection	
4G switch ON Open	
Custom	
CountryCode:	APN Name:
APN:	
Password:	e Cava
	- Odve
RealtimeServer	
RealtimeServer	∠ Save
RealtimeServer	∠ Save
RealtimeServer	∠ Save

After set the WiFi parameters, adjust the switch to WIFI mode, For Y/M series controller, just

remove LAN cable will be ok.

Wait for about 3 minutes, controller will come online. Please watch the "Internet" light, if it flashing regularly means online success, go to AIPS 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:

- WiFi antenna plug correctly.
- WiFi password is correct or not.
- If the Wireless router being accessed too many terminals?
- E series controller switch on WIFI mode?
- Try another WIFI hot spot.
- Y/M series controller, please make sure the LAN cable removed.

#### **3G/4G Configuration**

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,

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the first 3 numbers are the country code).



Select the Operator name and input or auto-recognize the APN, then click SAVE.

mandhai

ect IP] [Refresh] Chinese AIPS Overseas AIPS		<u> </u>
Configure The Network And Web servers		EasyBoard-v191
Current control card:e26-b19-40037		
Web Server Address: www.m2mled.net	Company ID: HT2	0200328
As Portable Hotspot		
Network Settings		
WiFi switch ON Open		
In Scanning WiFi officeSignal intensit	ty 99 <b>v</b> Custom	$\sim$
WiFi Password :		C Q
• No	) wifi password	
	≰ Save	S
APN Settings:		. (,)
A If you do not know the country code, please click on the "Network St	tatus Detection" view IMSI, the first three digits for the natio	maleode
🗠 Network Status Detection		*
4G switch ON Open	, O	
Custom		
CountryCode:	APN Name: 🔻	
APN:	User.	
Password:		Save
RealtimeServer	4	Save
← lastStep		nextStep →
	Permanent hur Sumalulian	

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

- 3G antenna has plugged correctly?
- Y/M series controller, make sure the LAN cable removed.

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- APN is correct or not?
- SIM card has activate? SIM card has enough money and 3G data service?
- Check 3G signal at least 13 and above? Click Network status detection to check 3G signal.

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### **AIPS Cloud Platform Register**

#### **Register For AIPS Platform**

Visit <u>www.ledaips.com</u> and choose Register to starting input related information, click done and verified the link sent by email, finish the register.

USE	
	. 63
LANGUAGE	
English	
ADMIN ACCOUNT	
Admin Accoun	t
ADMIN PASSWO	RD C
Admin Passwo	ird
NUL	Login
Reset password	Join
Download guid	le video and documents
SY SY	BOLUTION
We currently recomm	nend the use of Google Chrome for
Click	best experience. chere to download

Oversea address: www.ledaips.com

www.sysolution.net

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## **AIPS Cloud Programing**

#### **Simple Program**

Make simple program ----only support image or video files

1. Click "add simple program" button and set correct screen width and height pixels and

CIICK OK.

			Ad	d program					C Last Login 2020-09-27 09-04:49	(D Lagest
Program List			V	Vidth 1920		Height 1080				
+ Addsinple program	+ Add advance	ed program	h							
Name	Туре	Width	Height	Size	Action					
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32X32-Y10	Simple	32	32	52.540MB	C Edt Copy	🛎 Creale Task quickly	± Download	Delete 🔲 Terminal Play Log		
1 2 3 4	5 6 7 8	9 10	11 12	13 14 1	5 16 17 18	19 20 = 6	5			

2. Input program name and select the material from left side, here are 3 zones including material in the left side, program editing in the middle and preview window in the right

side.

🗋 Terminal Control 📑 Media 📰 Programs	⊖ Check Task 🛛 🖺 Log 🕶	🖗 GPS Task 🗸 🔒	L User <del>-</del>	<b>∗</b> Services	* *	<b>^</b>
		LIXH	l(Authenticated)	🙁 Last Logia	2020-09-27 09:04:49	C> Lopost
Meida Group 🛛 All 🗸 🗸	Program Width:1080p	x Height:1920px	View	Panel		
Image	Name	R Save				
Video	1 🞽	↑ <del>↓</del>				
						. 1
			5			
						•

3. Choose materials and set program name, can check preview in the right window.



4. Can set the display duration time here, see screenshot in below:

🖟 Terminal Control 📑 Media 📰 Programs 📀 Check	Fask 📓 Log + 🛛 GPS Task + 🧘 User + 🔺 Services 🌸	*	
		L LOH Rattantiester) O Last Lagis 2005-09-27 92:06-07 Crayed	
Meida Group 📕	Program Width:1920px Height:1080px	ViewPanel	
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ebb(abraid) GI MANS +000000 Heaver(detailed)			
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• ВН 6.jpg 0.019MB		. S	

5. Will see program in the list after save.

Desarran List	_	-	-	_		
+ Add simple program	Add advanced	pogram			100	
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Name	Simple	1920	1080	3.774MB	Eo. Copy 🚨 Create Task quickly 🛓 Download 📄 Doiele 🗮 Terminal Play Log	
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1 2 3 4	5 6 7 8	9 10	11 12	13 14 15	6 17 18 19 20 - 65	

#### **Advanced Program**

Advanced program including image, video, clock, text, audio and support more layers.

1. Clcik "add advanced program" button and set correct screen width and height pixels,

click ok.

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🔓 Terminal Control	■ Media	nograms	O Cheede	Task Billoss program	Q1 GPG Tyelt + 2 Liser + 2 Services + + Lot Adverture: O Lat Lage 200 9427 05 86.41 O Law	
Program List + Addsimple program Type All	+ Add advanced	d program			Close OK	
Name	Туре	Width	Height	Size	Action	
Name	Simple	1920	1080	3.774MB	O'Ed! 🕼 Copy 🛓 Greate Task quickly 🛓 Download 📄 Delete 🖃 Term inal Play Log	
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时间	Advanced	64	64	0.002MB	C/Edl Copy & Create Task quickly & Download Chebler Terminal Play Log	
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天气预报测试	Advanced	64	256	0.000MB	C'Edt 🕼 Copy 🛓 Create Task quickly 🛃 Download 👔 Deteter 🗮 Terminal Play Log	
1 2 3 4	5 6 7 8	9 10	11 12	13 14 15	16 17 18 19 20 - 65	

Here are 4 zones including media group, time panel, preview and program property.

			Log <del>-</del>						O Last	Login 2020-09-27	09:04:49	C+ Lagest
Meida Group Ali 🗸	TimePanel	Scale unit:1s	•			X		Program propertie	s			
Image	+New layer	0:00:00	00:00:1	0 00:00:2		30 00:00	:40	Name	Width	1920	Height	1080
Video Audio								Info of chosen iten	1			
Analog clock		4		$\langle \rangle$	*		•	Click the item in Tin	nePanel or in	ViewPanel to	get info	
Digital clock	ViewPanel	Scale:100%										
Countdown							-					
Single line textV2 New!												
Multi line textV2 New!												
Single line text												
Multi line text												
plainText												
Sensor												
Web URL												
Flash	4						*					
Chinese Weather												

Click "New layer" button and select media file then add to the time panel, for example: select video file and add to time panel.



Can set the program parameters, start and end time,

3.

All		Name Width 1920 Height 1080	
Image	2 X C 1 3 超的Dmp4	H R	
Video	1 🐹 C 🛊 🕄		
		Into of chosen item	
		Name 超跑HD.mp4 Class Video	
■ 直临门床垫央视广	ViewPanel Scale:100% O O	Left D Top D	
B WeChat_2018091		Width 960	
B KA TONG.mp4		Height 540	
着 格式工厂金色航油		Begin at 00:00:06	
Ê RTA.mp4		Continue 00:03:46	X
		Entered transition None ~	
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61089 320x640.m		Exited transition None ~	
		Exited duration D KRemove	)
5 6 7 8 9	a a.	±Download	
10 11 12 13			
14 15			
Audio		Co	
Analog clock		2	
1			

4. Save and quit after setup all parameters and program name.

'ideo	2 C C C C C C C C C C C C C C C C C C C	Info of chosen item	
<b>首 【TanyKim】</b> 少女		Name 超跑HD.mp4	Class Video
<ul> <li>保护脊椎广告片-1</li> <li>東次25株内地内</li> </ul>	ViewPanel Scale: 1079- 0 0	Left	Top
		Width 960	
Wechat_201a091		Height 540	
A IONG.mp4		Begin at 00:00:06	
■ 161.LJ 正巴斯32		Continue 00:03:46	
RTA.mp4		Entered transition None	
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61089 320x640.m	PTHE		
1 2 3 4	a la	Exited duration 0	KRemove
5 6 7 8 9		Download	
10 11 12 13			
14 15			

5. Then jump to program list interface, you can click green button of create task quickly and then select controller and send. 5.

	≣ Media	e Programs				LUser- *					
								LXH (Automicate)	O Last Logis 2020-09-27 09:04:49	Cr tapat	
	_	_	_	_		_	_	_			
Program List											
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1 2 3 4	5 6 7 8	9 10	11 12	13 14 15	16 17 18	19 20 - 6	15		Co		
								. (	2		

Use the "Edit" button to modify the existing program.

Program List					
+ Add simple progra	n 🕂 Add advance	d program			
Turn All					
Type An V					
lame	Туре	Width	Height	Size	Action
Name1	Advanced	1920	1080	0.000MB	🗹 Edit 🕼 Copy 🚨 Create Task quickly 🛃 Download 💼 Doloto 📰 Terminal Play Log
Name	Simple	1920	1080	3.774MB	🖸 Edit 📦 Copy 📓 Create Task quicky 🛃 Download 👔 Delete
车载	Advanced	300	100	0.016MB	C/ Edit 🕼 Copy 🗶 Create Task quickly 🛃 Download 📄 Delete 🗮 Terminal Play Log
灯杆	Simple	1080	1920	0.285MB	G' Edit 📦 Copy 🙎 Create Task quickly 🛃 Download 💼 Delete 🚍 Terminal Play Log
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双面灯杆屏	Simple	136	272	0.579MB	C/Edt Copy Z Create Task quickty Download Deleter E Terminal Play Log
1 2 3 4	5 6 7 8	9 10	11 12	13 14 15	16 17 18 19 20 * 65

Add multi-line text, click the text (single or muti-text)and add to the time panel

Terminal Control 🛛 🗃 Media	≌Programs ⊘Check Task ∎Log • @GPS Task • LUser • *Services *	L 1241 O Last Lagin 2022-09-77 (\$254-01) C* tager
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Image	+New layer         00.00.00         00.00.10         00.00.20         00.00.30         00.00.40           2         X C 中 建設地印mp4	Name1 Width 1920 Height 1080
Video	1 🗙 C 1 🛃 SingleText	Into of chosen item
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Digital clock	ViewPanel Scale:100% • •	Left D Top D
Countdown	×	Width 980
Single line textV2 New!		Height 540
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plainText		Exited duration 0 XRemove
Sensor		Line height 1.4
Web URL		Speed 20
The state of the s		UI97771874312310818≈≈≈≡1×3×3>324

Setup parameters for text, including the start and end time.

		1 1001 O Last Logis 2005-09-27 09:06:48 C+ Logis
Meida Group All	TimePanel Scale unit to O	Program properties
Image	4 Nove Says         000000         000010         00020         000000         000010         000020         000000         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         000010         0000010         00	Name1 Width 1920 Height 1080
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Countdown		Width 960
Single line textV2 New!		Height 540
Multi line textV2 New!	Tr.	Begin at 00:00:05
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		Entered transition None ~
SingleText		Entered duration
Multi line text		Exited transition None ~
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Sensor		Line height 1.4
Web UBI	•	Speed 20
		10 ° ° X ° 2 ° 0 © 5 ≅ ≅ * × 5 ≫ k

Setup the text color, font size and add more pages, please pay attention to our TIPS message in below, save and quit after finish.



#### Send Program

1. Click "create task quickly" button in the program list interface and will jump to the

Program List		4				
+ Add simple pr	ogram 🕂 Add advance	rd program				
Type All V			-			
Name	Туре	Width	Height	Size	Action	
Name1	Advanced	1920	1080	0.000MB	🕼 Edit 👔 Copy 🖄 Create Task quickly 🛃 Download 📄 Doleta 📰 Terminal Play Log	
Name	Simple	1920	1080	3.774MB	🕼 Edit 📦 Copy 🗶 Create Task quickly 🕹 Download 📄 Dolete 🗮 Terminal Play Log	
车载	Advanced	300	100	0.016MB	C'Edt 🕼 Copy 🚨 Create Task quickly 🛃 Download 💭 Delete 🗮 Terminal Play Log	
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时间	Advanced	64	64	0.000MB	C' Edi 👔 Copy 🗶 Create Task quickly 🛃 Download 📄 Dowlo	
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单面	Simple	128	256	0.579MB	🕼 Copy 🗶 Create Task quickly 🛃 Download 📑 Download 🗮 Terminal Play Log	
公交屏	Simple	400	80	3.763MB	🕼 Edit 👔 Copy 🗶 Create Task quickly 🛃 Download 👔 Doleta 🗐 Terminal Play Log	
双面灯杆屏	Simple	136	272	0.579MB	🕼 Edit 📦 Copy 🚨 Create Task quickty 🕹 Download 🔮 Dekter 🗮 Terminal Play Log	

terminal interface directly.

2. Select the controller and send program

X

	st 🗣 Gurrent grou	ip: All 👻	*Ten	minal Group Ec	ditor Ouery termin			h page show	10				
Online	ld	Alias	Group	Net type	Last offline	Width	Height	Brightness	Volume	Screen status	Sensor	Current playing program Lock	Connection version
	y60-620-40306	noname	董工	Ethernet	2020-09-25 18:41:33	1280	720	255	12	on	35°C 95.0°F%	时间	10.3.0
0	y61-320-40007	noname		LTE	2020-04-15 10:59:01	64	32	255	12	on	50°C 122.0°F%	Y61 实验	10.2.3T
0	y10-716-00108	noname	已入库	WIFI	2020-05-28 09:03:20	1280	512	15	12	on			10.0.7T
0	y10-716-00473	noname	董工	WIFI	2018-12-21 09:38:56	1280	512	64	12	on	"C%	unknown	9.8.8test
0	m60-518-00044	noname		ETHERNET	2019-09-16 18:35:38	64	64	200	9	on			10.0.7T
0	e11-a18-40426	426		WIFI 🔷	2020-06-18 15:45:44	-1	-1		15	unknown			10.1.9T
0	y30-a18-80233	noname		WIFI 🔷	2019-09-22 17:42:59	96	192	22	9	on			10.0.7T
0	m60-818-00254	noname	已入库	WIFI 🔷	2019-07-27 18:16:02	256	256	255	0	on			9.8.6test
0	y30-219-84125	noname		WIFI	2019-08-26 08:37:55	1280	720	255	12	on		1280x1024	10.1.4 <b>T</b>
0	e10-b18-40911	noname	已入库	WIFI	2019-09-21 16:03:54	384	128	64	12	on	"C%		9.9.1Test
1 2	3 4 5 6 ams Task 💽 9	7 8 Screenshot	۶R	ealtime Messa	ge 🗂 Delete Progra	am	E GPS 1	Task BI	Live Video	o O Screen	n Switch 🕲 Gus	tom Switch Careen Brig	Itness

3. In the bottom part of terminal interface, will see program task then choose the program

task and click send.

Programs Task Screenshot	Realtime Message 💼 Delete Program 🛛 GPS Ta	ask 🖬 Live Video 🔿 Screen Switch 🔿 Custom	Switch O Screen Brightness
Volume Control Change group	Config Setting      Hardware Status     AWarnin     Wirken Processor     Belay Confin     Ditter func-	g Switch, 🕇 Update Online 📿 Reboot 🚟 Termi	nal transfer 🛛 📔 Upload Player Log
y codurtnine a viceo monitoring	The vices increases and ready coming the orientation		
Submit Task			
Execute task at time			
E S	end Name	Date created	Create by
C II	Name1_Task	2020-09-27 10:31:21	LXH
	32X32-Y10_Task	2020-09-22 10:17:42	sztest
6	が 灯杆_Task	2020-09-14 14:02:54	LXH
6	时间_Task	2020-09-09 10:01:08	sztest
<b>E 1</b>	≠后窗屏_Task	2020-08-31 10:37:45	sztest
	≁ 车前窗150x120_Task	2020-08-30 20:47:47	sztest
		2020-08-30 19:06:10	sztest
	★ 公交屏_Task	2020-08-30 18:35:05	sztest
	★ 双面灯杆屏_Task	2020-08-30 16:34:07	sztest
	★ 天气预报测试_Task	2020-08-18 14:09:20	Ledshow