LED Internet Control Card

Control Card Type: E10 Android Card

Shanoahai Winn Hectronic Limited



(Scan "QR Code" of Wechat, Follow it and download APP)

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1. Overview

1-1 The Introduction Of User Manual

Thanks for your purchasing our LED Internet control card. Hope you can enjoy its outstanding performs. The design of the LED Internet control card is in accordance with International and industry standards. If the improper operation, it may cause personal injury and property damage. In order to avoid the dangerous, please comply with the relevant instructions in this manual.

1-2 Warranty and Obligation

We offer one year warranty service. During the period, any damage of the control card we will repair it for free or replace the parts. But excluding the following situations:

- Damage is caused by fire, earthquake, lightning and other disasters, or abnormal power supply.
- Damage was due to improper maintenance, debugging and modification.
- Damage was caused by improper used and operation.
- The replacement and repair of the consumables.
- When you need service, please contact us or our agent.

1-3 Product Overview

With the growth of the outdoor digital media market, LED display has its larger proportion on the market with its unique advantages. Many advertisers and media companies are eager to have a perfect outdoor digital LED system solutions. Our E10 not only has 3G, WIFI, but also has GPS that can position terminal orbit position. For advertisement fixed point. What's more, it also support AP function, it provide convenience for LED display access to wisdom city and for the third part access to AP. The stability of WEB cloud platform, to achieve display group control, video monitoring, condition monitoring, report statistics and other powerful features.

1-4 Characteristic

WIFI, 3G, GPS highly integrated; Onboard power supply, temperature and humidity, cabinet, smoke, fan etc. LED advertising machine and Car LED display professional custom; No need to install any software; Cloud platform group control; Android mobile phone APP hook up control card hotspot, stand-alone mode control.



1-5 Outside View Drawing



1-6 Functional Characteristic

- 1) WIFI, 3G, GPS onboard, realized wireless communication;
- 2) 4GB EMMC storage onboard, 8GB internal memory;
- 3) Android OS 4.4;
- 4) Support WIFI/WIFI AP Mode;
- 5) Access to cloud platform, realize remote release program, remote condition monitoring, remote power management, remote plat log statistics;
- 6) Support multi screen synchronous play;
- 7) Support multiple media types, e.g. video, picture, text, weather, clock, count down, real-time message, html code;
- 8) Support instant notification, timing program task;
- 9) Timing switch, brightness adjustment;
- 10) Support terminal group, software and hardware remote upgrade;
- 11) Can work with 256x256 pixels, after cascading 540x960 pixels;
- 12) Comprehensive driver IC chip support, support MACROBLOCK, CHIPONE, SUMACRO, MY-SEMI;
- 13) Support cascading, master card and receive card display effect is completely unified;
- 14) Support full-color static to 32 scan, support half, one-third, quarter free connection mode;



- 15) Grey level 65536;
- 16) High refresh and high brightness;
- 17) Support each cabinet monitor(onboard temperature, humidity, door, smoke, fan, multiplex voltage detection);
- 18) Support brightness sensing, automatic brightness adjustment;
- 19) Strong secondary development SDK, protocol transparency, development of simple and efficient;
- 20) Support TF expand to 32G;
- 21) Support transient outage protection, guarantee the normal operation of power outage within 6 seconds;

1-7 Parameter Configuration

- 3G frequency, support 4 frequency GSM/GPRS/EDGE; Working frequency: GSM850, EGSM900, DCS1800 and PCS1900;
 3G support double frequency UTMS/HSPA+; Working frequency: WCDMA BAND1/8(900MHz/2100MHz); Multimode EDGE/GSM/Rel. 8 HSPA+ modem;
- GPRS/EDGE HSPA+DATA Characteristics; HSPA data downlink transmission: maximum 21M bps; HSPA data uplink transmission: maximum 5.76M bps; EDGE data transmission rate: maximum 236.8kbps; GPRS data transmission rate: maximum 85.6kbps;
- WIFI/WAPI
 Support Soft AP function, Support 802.11 b/g/n;
 Encrypt type: WFA, WPA/WPA2;
 Qos: WFA, WMM, WMM PS;

The Radio: 11b watts 15dBm, EVM \leq 35%;

11g watts 13dBm, EVM<-25dB;

11n watts 13dBm, EVM<-28 dB;

- 4) GPS/AGPS GPS working frequency: 1575.42MHz; GPS carrier to noise ratio CN0: 41db/Hz; GPS sensitivity: Acquisition sensitivity -148dBm (cold); Acquisition sensitivity -156dBm (hot); GPS start time: hot start<5s; warm start<15s; cold start<50s;
 5) MP4 video format: MPEC 4/H 262, H 264;
- MP4 video format: MPEG-4/H.263, H.264; Memory card support Micro-SD card(Maximum 32G); Support hot plug in/out; MP3 audio format: ARM/MIDI/WAV/MP3/AAC/AAC+

1-8 Optional Accessories

Standard receive card D10-75 or D10 (standard two 50pin output); Standard R30E brightness, temperature sensor.

Please refer to R30E HUB SENSOR Datasheet for more information.

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2. Usage Introduction

2-1 Factory Display Configuration

WIFI dial switch instruction, as below:



Attention:

Situation A, Set the top dial to number"1" side, it will switch into AP mode, release a WIFI hotspot (WIFI named by control card serial number). Then you can configure display parameter. It is a local area network.

Situation B, Set the top dial to number"3" side, control card will switch into WIFI/WIFI AP mode, set WIFI hotspot name and password so that E10 will get access to Internet. If want to use the E10 as a hotspot, then please set AP SSID and password in LedSet2.0 software.

When plugged the 3G/4G SIM card in, then E10 will get access to Internet through 3G/4G data flow.

As long as the computer and the control card are in the same network, you can setup the control card or do other operations;



2-2 How To Find The Control Card For The First Time

- 1) Set the control card dial to number"1" side, power on it, wait for one minute, observe "Run" flickering, means the control card gets ready;
- 2) Use computer to find the WIFI hotspot named by the control card serial number, as below shows:



- 3) Hook up the WIFI hotspot, input default password 12345678;
- 4) Open LedSet2.0, you can detect the control card ID and IP address, see picture as below:

Shanda



LedSet2.0 C Check IP address of the control car Link Auto check control card ip in LAN C Auto check control card ip in LAN C D 20 20 20 20 20 20 20 20 20 20	d SV:6516.0727, HV:6500.A107 Start intelligent setup Wizard Cascading settings Width and height parameters configuration Import existing configuration files *. hep Network IP parameter settings Test Screen Special screen settings Other rarely-used functions Restore control card IP address WEB Server params	
Switch language Release date:[Apr 21 2016 20:03:22]	■ No linked card, just preview software func No controller can be found, Click. Back	Quit Kelp

- 5) Intelligent setup please refer to LedSet2.0 (www.ledok.cn > DOWNLOAD)
- 6) User can use mobile phone hook up to control card WIFI hotspot, send program via APP.

2-3 The Registration For Controller In Cloud Platform

 Company ID is the one that you got when you register your account in the cloud platform (www.m2mled.net / www.ledaips.com for foreign countries), log in cloud platform and click user to check your company ID, as picture shows below:

🛛 Terminal Control 🛛 🗮 Me	dia 🛛 🛢 Programs	⊖ Check Task	Log 🕶	🥝 GPS Task+	💄 User+	* Services	XIXUNLED_JASMINE
				_	User Man	agement	
Company ID XIXUNLED_JASMINE					Edit my ac	count information	
Admin Name JASMINE					Change p	assword	
Admin Position FOREIGN TRADE							·
Admin Tel 8615814402816							
Admin Email jasmine@xixunled.com	m						
Login authentication 🔹							
Save							

2-4 WIFI Setup

1) Open LedSet2.0>WEB Server params, fill in WEB server address(double right click) and



company ID, send;

- 2) Check WIFI, send;
- 3) Scan WIFI hotspot, type in password, send; Set the WIFI dial switch to number"3" side, hook up WIFI to access Internet;

leb server address 🔤	w.m2mled.net		- CardSystem: 3.8.6_E Connect: 9.6.6	Get apk version
Company ID XI	XUNLED_JASMINE	Send	XixunDeamon: Unknown XixunPlayer: 9.4.1	Net status check
1	-		SoftRecovery: 1.3.0	Get firmware info
🗸 wifi 🥅 3G	Send 🗖	HUAWEI 4G Send		
APN Spots		T Sand	AP Name (SSID):	
APN:	lser: assword		Passw.	Send
/i-Fi name: Xixun1		💌 Scan Wi-Fi		
lote: Custom Wi-Fi, You	can click directly ent	er a Wi-Fi name.		
Wi-Fi password:	✔ Sh	ow password	Send	
altime Server Address:			Send	

- 4) After about one minute, terminal will come online on cloud platform (When E10 come online, "Internet" will flashing);
- 5) Log in cloud platform management interface, you will see control card online;

Terminal Control	🖺 Media	🛢 Programs	⊖ Check Task	🔓 Log	- 0) GPS Ta	sk• ⊥U	ser- 🕷	Services		XIXUNLED_JASMINE	Θı	.ast Login 20'
Terminal List S Curr	rent group : All -	• N Terminal	Group Editor	3 Query 1	ermina	l state	Each page	show 10					
Online Id	Alias	Group Net typ	e Last offline		Width	Height	Brightness	Volume	Screen status	Sensor	Current playing program	Lock	Connection ve
e10-716-00	0081 noname	已入库 WIFI 🔻	2016-08-16	14:11:13	192	256	32	15	on	255°C			9.6.6
4													
Screenshot 🖌	Realtime Mess	age 🖪 Progr	ams Task į	🖥 Delete Pr	ogram	BG	PS Task	🗄 Live Vid	eo 😃 Scree	n Switch	O Screen Brightness	■) Vol	ume Control
Config Setting	0 Hardware S	tatus 🔺 Warr	ing Switch	🕈 Update (Online	C Re	boot ≓	Ferminal tr	ansfer 🛛 🖺 Up	load Playe	r Logs 💦 🖌 Load HTML	∎• V	ideo Monitoring
ecrean shot the currer	nt content of lad	dienlav huteould	nat screen sha	t tha vida oc	through	h hardwa	re decode w	av.					
		ulapiay, but could	not screen sno	1016 10603	anougi	i naruwa	ie decode wi	ay.					
Screenshot	Screenshot by	camera											
Control result :													

2-5 3G Setup

- Insert 3G SIM card in, fill in WEB server address (double right click can amend) and company ID, send;
- 2) Check 3G, send;



3) Check APN spots, select SIM card operator, send;

4本日所存空目前 注意:请勿将静;	态屏的配置文件导入到扫描屏内,	,否则会烧毁屏幕		
Web server addre	ss www.m2mled.net	CardSystem: 3.8.6 2mled.net Connect: 9.6.6		Get apk version
Company ID	XIXUNLED JASMINE	Send	Update: 6.0 XixunDeamon: Unknown XixunPlayer: 9.4.1	Net status check
			SoftRecovery: 1.3.0	Get firmware info
🗆 wifi) 🔽 3G	Send 🔽	HUAWEI 4G Sen	d TAP:	
APN Spots	中国联通 3g 网络(china	unicom) 💌	AP Name (SSID):	
APN: 3gnet			Passw/	Send
Note: Custom Wi-	Fi,You can click directly en	ter a Wi-Fi name.		
Wi-Fi password:	🔽 🖉 S	how password	Send	
Wi-Fi password:	s 🕅 📃	how password	Send	
Wi-Fi password: ealtime Server A	vddress:	how password	Send	
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Wi-Fi password: Realtime Server A	ddress:	how password	Send	
Wi-Fi password: Realtime Server A	د سم الم	how password	Send	

4) After about one minute, terminal will come online on cloud platform (When E10 come online, "Internet" will flashing);



3. AIPS Platform Usage Instruction

Quick edit program and send to control card

- 1) Open WEB browser (recommend Google), log in www.m2mled.net;
- 2) Type in your account and password;

Click here to Alps platform in United States www.ledaips.com		
	USER LOGIN	
	LANGUAGE	
	English	•
	ADMIN ACCOUNT	
	XIXUNLED_JASMINE	
	ADMIN PASSWORD	
	•••••	
	Login	
		loin

3) Turn into Programs, add advanced program;

	🕻 Termin	al Control	🖀 Media 📘	e Program	ıs ⊘Cł	neck Task 🛛 🔓 Lo	og• 🖗 G	PS Task+	👤 User+	* Serv	ices				
										1 XI	KUNLED_JASMINE	O Last	Login 2016-08-16 14:08:56	C+ L	ogout
Ĩ	Ferminal Li	st \ Currer	t group: All +	🗞 Ter	minal Grou	p Editor 🛛 🕄 Que	ery terminal st	ate Ea	ach page shov	v 10					
8	Online	Id	Alias	Group	Net type	Last offline	Width	Height	Brightness	Volume	Screen status	Sensor	Current playing program	Lock	Connect
	_														
		e10-716-000	081 noname	已入库	WIFI 💎	2016-08-16 14:11	1:13 192	256	32	15	on	255°C			9.6.6
•		e10-716-000	081 noname	已入库	WIFI	2016-08-16 14:11	1:13 192	256	32	15	on	255°C			9.6.6



D Terminal Control	📕 Media	🖥 Programs	⊖ Check Task	🔓 Log 🗸	🕲 GPS Task+	👤 User 🗸	* Services
							XIXUNLED_JASMINE O Last Login 201
Program List							
+ Add simple program	+ Add advar	nced program					
Type All 🔻							
Name Type	Width	Height	Size	Action			

4) Input width and height of your display;

Add program

Width 192	Height	96		
			Close	ок

5) Enter programming interface, click material button of left side, drag the material into the timer shaft;

Meida Group 🛛 All 🔻	TimePanel Scale unit 18 O	Program pro
Image	+New layer	00:00:30 00:00:40
Video	1 🗷 C 🕇 🖡 clack	Î H R
Audio		Info of chose
Analog clock	4	Name clock
+Add new	ViewPanel Scale: 100%	Class AnalogCl
â clock		Left
θ		Width 192
Digital clock	7 9 24	Height 96
Digital clock		Begin at 00:00:
Countdown		Continue 00:00

6) Named it and save it:



TimePanel Scale unit 18 0 0	Program properties
+New layer 1 K C + clock	CLOCKM Width 192 Height 96 00.40 Image: Rest of the second s
<	Info of chosen item Name clock
ViewPanel Scale: 100% •	Class AnalogClock
10 12 12 1	Width 192
	Height 96

 Create Task quickly, it will switch to Terminal Control, select the control card and program, send;

							1 XIXUNLED	JASMINE O La	ist Login 2016-08-16 14:08:56
Program Li	ist								
+ Add sir	mple program	• Add advanced pr	ogram						
Type All	۲								
Name	Туре	Width	Height	Size	Action				
CLOCKK	Advanced	192	96	0.000MB	🖸 Edit 📑 Copy	🛎 Create Task quickly	🛓 Download 📋 De	lete 📔 Terminal Play L	LOg
					0.		_		
Ferminal List	Current gi	oup; All +	🏷 Termin	al Group Editor	• Query termin	al state Each	page show 10		
Ferminal List Online I	Current gi	oup: All - Alias	জি Termin Group Ne	al Group Editor	C Query termin	al state Each dth Height Bri	page show 10 ghtness Volume	e Screen status	Sensor Current playin
Ferminal List	Current gi Id e10-716-00081	oup; All - Alias noname i	Network Contraction Contractico Contract	al Group Editor et type Last (IFI 文 2016-	r OQuery termin offline Wi 08-16 14:11:13 19:	al state Each dth Height Bri 2 256 32	page show 10 Ightness Volume	Screen status on	Sensor Current playin
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Contine I Contine I Contine I Change Video M Submit Tasl	tid e10-716-0081 hot	Alias Alia	 Termin Group Net 已入库 WI 日 Pro ① Hard 	al Group Editor at type Last (2016- IFI • 2016- Igrams Task Iware Status	r Query termin offline Wi 08-16 14:11:13 19: Delete Program A Warning Switch	al state Each dth Height Bri 2 256 32 E GPS Task ↑ Update Onl	ine CREboot	Soreen status on O Screen Switch # Terminal tran	Sensor Current playir 2550 Screen Brightness Inster Dupload Player I
Sontine 1 Change Change Video M Submit Tasl	tid tid tet0-716-0081 thot $ each Real group each C onitoring k k k k k k k time$	Alias Alia	 Termin Group Ne 已入库 Wi 日 Pro ① Hard 	al Group Editor et type Last d IFI 2016- Igrams Task Jware Status	Cuery termin offline Wi 08-16 14:11:13 19: Delete Program A Warning Switch	al state Each dth Height Bri 2 256 32 GPS Task Update Onl	ightness Volume 15 Live Video ine 😂 Reboot	Screen status on Screen Switch the second s	Sensor Current playin 2550 Screen Brightness Insfer Dipload Player I
Terminal List Online 1 Canage Change Video M Submit Tasi Execute ta allow defer	tid e10-716-0081 hot FRea group Conitoring k k ssk at time rring	oup: All - Alias noname i time Message	 Termin Group Ne 已入库 Wi 日 Pro ① Hard 	al Group Editor at type Last of 2016- grams Task tware Status	C Query termin offline Wi 08-16 14:11:13 192 Delete Program A Warning Switch	al state Each dth Height Bri 2 256 32 E GPS Task ↑ Update Onl	ightness Volume 15 I Live Video ine S Reboot	Screen status on © Screen Switch ## Terminal trans	Sensor Current playir 255°C O Screen Brightness Insfer I Upload Player I



8) Go to check Task, check auto refresh, viewing the progress of the program;

	(GHS Task≠ III User+ III Services
	L XXXVIILED_JASMINE O LastLogin 2016-08-16 14:08:56 C Logout
Check Lis ²⁷ Auto refresh	
Date created Terminal id Alias Task name Execute to	ask at time Submit by Checked by State
2016-08-16 14:30:57 e10-716-00081 noname CLOCKK_Task	XXVINLED_JASMINE Success Downloaded CLOCKK 100% 0KB/s remaining: 0 second

Tips: After everything gets ready, please go to Terminal Control>Config Setting>Backup. Backup the params!!!!

Detail WEB operation please refer to <AIPS INFORMATION DELIVERY SYSTEM MANUAL> (www.ledok.cn/en DOWNLOAD)



4. FAQ

4-1 U-DISK Upgrade Program Failed

Login Platform>MEDIA, download the program to your computer(default password 888). Copy "program(15)".zip to U-DISK, then delete"(15)", unless U-DISK upgrade failed, control card only read "program".zip;

4-2 Dial Is On Number"1" Side, Computer Cannot Find WIFI

Hotspot Named By Control Card Serial Number

Due to disconnect to hotspot for a long time, control card starts Energy-saving mode to shut off hotspot. Reboot the power or reset the dial to solve it.

4-3 E10 Module Parameter Setup Without Receive Card,

Module Display Exception

Run LedSet2.0, go to cascading setting.

4-4 How To Transfer Control Card To US Server For Foreign

User

After using China server to send program, log in platform in United State (www.ledaips.com). Re-registered company ID and management account. Log in China server, check the online control card which is needed to be transferred. Go to Terminal Control>Config Setting>Advanced, fill in Server address(www.ledaips.com) and Company ID(the one you got when you registered in US server), submit.