# 

# Sync&Async Dual Modes Sending Card Instructions

Version: V2.2



### Statement

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# **Update Record**

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The document is subject to change without prior notice.

Note:

The Instructions fit for Sysolution Media player, including M50BS, M60BS, M70BS and M80BS, M70BS and M80BS are async&sync media player M50BS and M60BS are pure asynchronous media player.

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# Hardware Connection Diagram

#### Synchronous connection



# **Parameter Contrast**

Model	M50B-D	M60B-S	M70B-S	M80B-S
Communication Methods	Single network port,WiFi, UsB driveoptional 4G	Dual network port, WiFi, USB drive, optional 4G	Dual network port, WiFi, USB drive, optional 4G 4G	
On-Load Pixel	650,000	1.3 million	2.3 million	
Width Heightlimit	Discount Max width 7680 Max height 1920	Discount Max wie Max height 1920		Discount Max width 350000 Max height 2560
Synchronous Asynchronous Swvitching	Not su	upport	Support	
HDMI Splicing		Not support	·	Support

# **Software Operation Procedures**



# LedSet4.0 Setup

### Sending card setu

 Make sure connecting the m70 with laptop via LAN cable directly, open LedOK Express software and auto detect the M70 IP address. Please click "refresh" button on the right top if can not detect controller IP. You can also enable "RJ45 cable directly connect" option and click Detect button to detect controller IP.

IOK Express								
ALL4 Q	Ter	minals		Solutions		Terminal Contr		fresh 🤜
Screen ID	Online	Screen IP	Screen Size	Alias	3creen Brightnes	Power Status encryption	More Info	Screenst
m7s-c22-00069		192.168.1.120	64 x 64	66	100%	ON	0	6
y08-123-40282		192.168.1.100	512 x 256		84%	ON	0	6
e22-221-40661		192.168.1.135	192 x 48		94%	ON	0	(
y70-421-00060		192.168.1.108	1280 x 500		56%	ON	0	(

2. Click Terminal control and select the controller, go to Advanced parameters and input password 888 to enter setup interface.

1.53	<b>CKK</b> DK Express		E	
	ALL 4			Current screen: m7s-c22-00069
	Screen ID	Online	Screen IP	🔆 U 🛜 🚯 🔒 🤤 🙆 🥸 📼
$\checkmark$	m7s-c22-00069		192.168.1.120	Brightness Adj. Power Control Network Config Time Sync Password Video Source Volume Advanced Test
	y08-123-40282		192.168.1.100	Advanced Screen Width(pixel) 64 Height 64 Set Alias 66 Set
	e22-221-40661		192.168.1.135	Web Server Address: Company ID AA8888 Set
	y70-421-00060		192.168.1.108	Realtimer Server Address: www.ledokcloud.com/realtime V Set Clear
Detect				Firmware Management       (APK / FPGA update or uninstall)         Check Apk       Uninstall Running check         Restart       Clear Program         Timing Reboot       Set         Display Mode       Full screen V         Start LedSet3.0 configure LED module (used by manufacturer's professionals)       Start LedSet4.0 (Apk Display2.0 and higher)         Binding " ic account indentity voucher

3. Then click the "Start Ledset4.0 configure led module" button in the bottom.

	<b>NP</b>		_	-	_				0	- 🗆	×
Le	dOK Express		E						3		
			Term	inals	Solutions			Term	inal Control		
Ē	ALL4 Q			Current screen: m7s-c22-00069						Refresh	•
	Screen ID	Online	Screen IP	🔆 🕛 🛜	()		9		Ō	TES	T
$\checkmark$	m7s-c22-00069		192.168.1.120	Brightness Adj. Power Control Network Config	Time Sync F	Password	Video Source	Volume	Advanced	Test	;t
	y08-123-40282	٠	192.168.1.100	Screen Width(pixel) 64 Height 64	Adias 66	dvanced		et			
	e22-221-40661	•	192.168.1.135	Web Server Address:		mpany ID AA					
	y70-421-00060	٠	192.168.1.108	Realtimer Server Address: www.ledokcloud.com/	realtime 🗸	Set Clear	0				
				Firmware Management (APK / FPGA update or	,						
				Check Apk VIRestart Clear Program Check Log	install Running c	check					
				Timing Reboot Set Get							
				Display Mode Full screen 🗸 Set Get	Screen Position 0	Offs	set 0 🗘 😒	et Get			
				Start LedSet3.0 configure LED module (used by	manufacturer's pro	ofessionals)	Start Le	dSet4.0 (Apk	Display2.0 and h	igher)	
				Binding *.ic account indentity voucher							_
Dete	ct										

4. Choose Sender in Ledset4.0 and make sure the card number and sending card all correct.

备列表: (2 / 1)	Sender ca	19 <b>8</b> 1	meter							
Device ID: AE8DB694D014 Model: m7s-c22-00069	Sender card na	me								Edit
Name: 分辨率: 1280X720@60.0Hz Cards: [1] P1:1;	Resolution rati	io:								
Sanata (11) ing									*	Custom
Device ID: 0CCF8901C2EB Model: y70-421-00060 Name:	Position:						Repair	Details:		
	Output video signal crop:									
分辨率: 1920X1080@60.0H Cards: [0]	Type Region									
	Image Clipping ( 0 , 0 )-(1280 , 720 ) 1280 X 720 Modify									
	网口图像输出:							1		
	Net Port	Master/Ba	Multi-wine	Reg	gion					
	P1	Main	×	(	0.	0)-(	768 .	768)	Mod	lify
	P2	Main	×	(	0,	0)-(	768 ,	768)	Mod	lify
	Audio enable(I		n you nee	ed to	o use	audio t	ransm	ission.	turn on a	audio en

Note: LedSet4.0 cannot detect the sending card, please close the firewall and other anti-virus

software.

#### Smart setup

5. Choose Normal mode debug.



6. Choose Smart setup wizard and start configuration

Receiver	Screen Cor	nnection							
Module Informatic	n								
Speficification: 64	X64_32Scan		er Chip: ICN		lines: 3			type: D60	
		Scar	n chip: 2012	Decoding Data	Groups:	2	Dela	y Mode:	Off
Box Design									
Normal Design	n 🔿 Adva	nced Design	n					M	lore Desig
Module Size:	0	Box Width:	64						
64pix x 64pix		Box Height:	64	Modify	/				
Performance Confi		0							
Frequency:	60	*	Hz	Refresh Rate:	1920	*	Hz	Driver Ch	ip Attribu
DClock Frequency	: 12.50	- (NA)	MHz	Refresh Rate Times	8	*	x	Gan	nma Settir
DClock Phase:	0	•	ns	Duty Cycle:	50		%	Scan Chi	o Attribute
Row Blanking Tim	e: 2500	Real Valu	e(ns): 2886	Close Time:	1500	Real Valu	e(ns): 1500	) 🗌 Alte	rnate sca
Line Changing Tin	ne: 500	Real Valu	e(ns): 504	GClock Frequency:	10.42		MHz		
Calibration type	Not Use			Gray Level:	13				
				Input gray:	8		bit		
				Effective rate:	81.4%				
mart Setting	Open	Save				Send Data	a S	ave	Read Bac

7. Please enter the correct parameters to the smart setup dialogue box .

**Module width/height:** Input the actual pixel of the current pixel.

<sup>(2)</sup> **Module data group:** View the interface definition of module data input port and calculate according to the actual data line number and grouping mode of module.(Generally, three lines are parallel, so an RGB is a set of data. For example, if a module has two sets of RGB, then the module data group is 2)

**Card type:** Type of receiving card currently used for debugging which can directly view according to the identity on the receiving card.

(4) Blanking polarity: Low/high effective, normally use the default one.

(5) **Contrl system:** Please choose T6(D90 series) or FPGA(D80 series) according to your receiver card types.

6 **Drive chip**: Select the type of drive chip used in the current module, such as: conventional chip, MBI5153, ICN2053, etc.

Decoding method: "138 decoding", "5958 decoding", "high direct output", etc.

(8) **Grouping mode:** Viewing the interface definition of the current module data input port, if having R/G/B three colors (red, green and blue) signal data (red, green, and blue lights on driver chip is separate connection, and no string between them, thus choose "parallel three line" ;If there is only one color signal data on the module or only one R data (In addition to the single color screen, and the chip controlling the red, green and blue LED lights is connected together), then select "RGB serial".

Double clock: No need to choose when configure normal module. Only need to www.sysolution.net

choose D, E, F signal for second clock when configure double clock led module.

Module Widt	h: 64	Chip type: D	60\D70	*
Module Heig	ht: 64	Module Chip: IC	N2053	Туре
Data Group:	2	Decoding Type:	2012 Decoding	9
Card Mode:	D60\D70 *	Grouping Mode	: Three Lines P	arallelism
Blanking Pola	arity: Low Effective	Double Clock: N	lot Use	
		Delay Mode: O	ff	Ŧ

**(Dow delay scheme:** Usually closed.

8. Click "Next Step" to enter the "scan line number" window and select the scan line

Screen Conf	iguration					÷	e		×
Receiver	Screen Connect	tion							
Module Informa		Driver Chip: ICN Scan chip: 2012		Scan lines: 32 Data Groups:			ype: D60' Mode: (	- Contractor	
Box Design									
Norr 18 Sc	an Line		<b>=</b>	×			M	ore Desi	gn
64pi:	ording to the interv			ntii					
Performa Int	terval row quantity	32	*						
Frequer	ompt: when modul	a is one row lightin	on only or full lic	1920	*	Hz	Driver Ch	ip Attrib	ute
DClock	ompt. when modul	e is one row lighti	ig only of fulling	8	*	x	Gam	ima Setti	ng
DClock		Back	Next	50	-	%	Scan Chip		
Row Bla		Construction of the second		1500	Real Valu	e(ns): 1500	Alte	rnate sca	an
Line Changing	Fime: 500 Rea	l Value(ns): 504	GClock Freque	ncy: 10.42	-	MHz			
Calibration type	Not Use	-	Gray Level:	13					
			Input gray:	8	*	bit			
			Effective rate:	81.4%					
Smart Setting	Open Sa	ive			Send Dat	a Sav	re I	Read Ba	ck
Sending card Type	:m7s-c22-0( Name:	ID:[Al	8DB694D014]	Receiver Car	d: [1,0]	Refresh	Change	Sender	:=

according to the actual display of the current module.

 Click "Next Step" to enter the select color window.Select the corresponding display color according to the state mode.

Screen Co	onfiguration					₹ — □ ×
Receiver	Screen Co	nnection				
- Module Infor Speficificatio	rmation on: 64X64_32Scar	COLOR DIFFERENCE COLOR	ip: ICN2053 : 2012 Decoding	ALC: CONTRACTOR OF	nes: 32 iroups: 2	Chip type: D60\D70 Delay Mode: Off -
Box Design						
Nornelia	Data Line Col	or			<b>⇒</b> >	More Design
Modu C 64pi:			color according t	o module		
- Performa Frequer	Status1	Red	O Green	O Blue	O Black	Driver Chip Attribute
DClock	○ Status2	O Red	Sreen	O Blue	O Black	Gamma Setting Scan Chip Attributes
Row Bla Line Cha Calibrat	⊖ Status3	⊖ Red	O Green	Blue	O Black	1500 🗌 Alternate scan
-				Back	Next	
						_
Smart Setting	Open	Save			Send Data	Save Read Back
Sending card T	ype:m7s-c22-0( N	lame:	ID:[AE8DB694D0	14] Recei	ver Card: [1,0]	Refresh Change Sender

10. Click "Next step" to enter the "intelligent Settings" window and do the walk-points according to the actual display of the module (If not have a blinking pixel, please connect the LED module to the first data interface of the receiving card or change the data line to all Interface, or try to insert points attempt), when smart setting is completed, click "finish" and send the data to the device.

Note: If the LED module has no pixel flashing, the first can connect the LED module to the first group of data interface (JP1 port) of the receiving card; Second, you can select all the data line options under the list; Third, you can try to insert virtual points.



11. Click Complete to finish the smart setup.

Zo	om		Da	ata Li	ne	Ad	vanc	ed									De	bug								
Ð	e		ALL		٠	C			Reve	ert	Insert	V Point	1		Trace	Again		Dk								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	2
1	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	3
2																										
3											0															
4								Sel	ect n	ext s	tep							×								
5																										
6																										
7									aci	ng So	annir	ng lin	Whet	her to	trace	scanni	ng l									
8																										
9									Co	ntinı	ie Tra	icing	Conti	nue tr	acing(t	race n	nint									
0									0			icing	Conta		acing(	nuce p										
1																										
2											Ok		Trace	Com	olete											
3												-														
4																										
15																					-					
6																										
7																										
8																										
9													_													
0																										
21						0																				

12. Click finish.

Zo	om		Da	ata Li	ne	Ac	lvanc	ed									De	bug								
R	Ð		ALL		Ŧ	(			Reve	ert	Insert	V Poin	1		Trace	Again		Dk								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	20
1	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39
2																										
3																										
4																										
5						1	HE FI	nish	settin	a				_					×							
6										9									3998							
7							Sa	ve Sett	ing																	
8							File	Nam	e:	64X64	4_32Sca	an														
9																										
0							Mo	dule l	Path: (	:\Pro	gram F	iles (x8	6)\Leo	OK E	press	\LedSe	t Ch	oose F	Path							
1																										
2															Finis	h Tra.		Retu	rn							
3													_	_	_		-		_							
4																										
5							-																			
6																										
17	_												_				_									
8																	_									
9	-																									
20																										

#### **Receiver Card Setup**

13. It can be configured by means of "smart setting" or by default "option modules" (applicable to receiving cards D90-75) to load module file or by "open box file" after loading preservation cabinet file.

Screen Configui	ation							-	
Receiver Sc	reen Con	nection							
Module Information	54_32Scan		er Chip: ICN 1 chip: 2012		n lines: 3 a Groups			iip type: D6 elay <mark>M</mark> ode:	Control Control
3ox Design Normal Design	) Advar	nced Desigr	1					3	More Desig
Module Size: 64pix x 64pix		ox Width:	64 64	Modif					
Performance Configu		5			<u> </u>				
Frequency:	60	*	Hz	Refresh Rate:	1920	¥	Hz	Driver O	Chip Attribut
DClock Frequency:	12.50	▼ (NA)	MHz	Refresh Rate Times	8	Ŧ	x	Ga	mma Setting
DClock Phase:	0	*	ns	Duty Cycle:	50	÷	%	Scan Ch	nip Attribute
Row Blanking Time:	2500	Real Valu	e(ns): 2886	Close Time:	1500	Real Valu	e(ns): 15	00 🗌 Al	ternate scan
Line Changing Time:	500	Real Valu	e(ns): 504	GClock Frequency:	10.42	*	MHz		
Calibration type	Not Use	Ŧ		Gray Level:	13				
				Input gray:	8	*	bit		
				Effective rate:	81.4%				
mart Setting O	pen	Save				Send Dat	a	Save	Read Back

14. Box Design, choose Normal design and click Modify, then enter the box width and height pixels according to your cabinet and choose the correct cascading direction and click complete.

• Output mode: with symmetrical to quadruple strip outputs, It can give full play of

the receiving card performance to make the screen higher refresh rate according to actual needs. For example(cascade way: from right to left).

② **Normal output:** 1 to 24 sets of data are loaded from top to bottom.

**3 Symmetrical:** The data of the receiving card (1-12) group is equipped with the left half lamp board, and the data of (12-24) group is equipped with the right half lamp board, with the same width/height.

**Triple strip mode:** 1-8, 9-16, 17-24, Each 8 sets of data are carried in three parts horizontally with the same width and height

**Quadruple strip:** 1-6, 7-12, 13-18, 18-24, Each 6 sets of data are carried in four parts horizontally with the same width and height.

Screen Configur	ation					-	( <u>-</u>		×
Receiver Sci	reen Connection								
Module Information Speficification: 64X6	4 32Scan	er Chip: ICN n chip: 2012		n lines: 3 a Groups:	-		ype: D6 Mode:		
Box Design Normal Design	O Advanced Desig	n					N	More Des	ign
Module Size: 64pix x 64pix	Box Width: Box Height:	64 64	Cascade Dir Output mod		From Right To	oPlug Seque	_	sequence Cano	_
Performance Configur		Hz	Refresh Rate:	SYMM	METRIC METRIC		Dime	hip Attrik	
DClock Frequency:	12.50 • (NA)	MHz	Refresh Rate Times	0114	E_STRIP DRUPLE_STRI			mma Sett	
DClock Phase: Row Blanking Time:	0 2500 Real Value	ns e(ns): 2886	Duty Cycle: Close Time:	50 1500	Real Value			ip Attribu ernate so	
Line Changing Time: Calibration type	500 Real Valu	e(ns): 504	GClock Frequency: Gray Level:	10.42 13	•	MHz			
			Input gray:	8	•	bit			
		_	Effective rate:	81.4%					
Smart Setting Op	-c22-0( Name:	ID:[Al	E8DB694D014] Red	ceiver Ca	Send Data	Sav <u>Refresh</u>	-	Read Ba	

15. The System will auto calculate the performance configuration parameters after done box design, you can also adjust some options to make display effect better.

**Refresh rate:** an important indicator of the Led screen. Increasing the refresh frequency can improve the water ripple when using the camera to take pictures.

**Display mode:** It can be divided into refresh priority and Grayscale priority. Refresh priority: In this mode, the brightness efficiency will be reduced while the refresh rate of the module can be greatly improved. Grayscale priority: This mode will have a better grayscale effect at low brightness.

**Refresh rate times:** High brush algorithm for improving visual refresh rate, default 16. **Data clock frequency:** it is related to the design of LED module circuit and the driving chip used. If the well-designed high brush IC is used , the module can be reached higher clock while gray degree and refresh frequency can be supported higher with the same load area.

**Grayscale:** Increasing the grayscale according to the requirements of the LED. The higher the grayscale, the better the picture quality. Generally, it is 12 to 14bit, (12bit grayscale is equal to 4096 gradation grayscale)

**Data clock phase:** timing starting point of the clock setting. It can be adjusted when the screen body has flash point, flower screen and other abnormal phenomena. Generally 12.5~17.86.

**Duty cycle:** refers to the duty cycle of the clock phase. Changing this data can make the scanning clock phase higher generally set to 50%.

**Line changing time/discharge time/sweeping position:** mainly adjust the scan screen www.sysolution.net 15

afterglow, the newline value time can be increased if serious, generally take the default values.

**Min OE width:** Min response time. When the refresh cannot be improved effectively, try to reduce it.

Screen Configu	ration							<u> </u>	- 🛛	, i
Receiver S	creen Con	nection								
Module Information				10050				an <b>c</b> horan	0.00.070	
Speficification: 64X	64_32Scan		er Chip: ICN n chip: 2012		lines: 3 Groups:			p type: ay Mode	D60\D70 e: Off	
Box Design										
Normal Design	() Advar	iced Desigr	1						More D	)esig
Module Size:	E	ox Width:	64	Cascade Dire	ection: F	rom Right 1	oPlug Se	quence:	Inseque	nce
64pix x 64pix	B	lox Height:	64	Output mod	e: ASMN	METRIC	• 30	Dk	C	ancel
Performance Config	ure									
Frequency:	60		Hz	Refresh Rate:	1920	*	Hz	Drive	r Chip Att	ribu
DClock Frequency:	12.50	- (NA)	MHz	Refresh Rate Times	8	*	x	2	Gamma S	ettin
DClock Phase:	0	*	ns	Duty Cycle:	50	*	%	Scan	Chip Attr	ibute
Row Blanking Time	2500	Real Value	e(ns): 2886	Close Time:	1500	Real Valu	e(ns): 150	00	Alternate	scar
Line Changing Time	: 500	Real Value	e(ns): 504	GClock Frequency:	10.42	*	MHz			
Calibration type	Not Use	Ŧ		Gray Level:	13					
				Input gray:	8	*	bit			
				Effective rate:	<mark>81.4</mark> %					
mart Setting C	pen	Save			Ú	Send Dat	a	Save	Read	Bacl

16. Click the" send data" button to send the program to the receiving card.

Note: When sending data, you can specify the network port or the specified card for sending, or reset the position of the receiving card, so that the position of all interface cards is zero and the same position is displayed.

Receiver S	creen (	onnection	
Module Information Speficification: 64X	64_325c	an Driver Chip: ICN2053 Scan lines: 32	Chip type: D60\D70
3ox Design Normal Design	0/	Restore position (reset sender/receiver position)	Refresh More Desig
Module Size:		All receiver cards	sequence: Insequence
64pix x 64pix Performance Configu	ire	Send data to all receiving cards connected to the current s	ending card.
Frequency:	60		Driver Chip Attribu
DClock Frequency:	12.5		Gamma Settir
DClock Phase:	0		Scan Chip Attribute
Row Blanking Time:	250		1500 Alternate sca
Line Changing Time	: 500		
Calibration type	Not		
	l	Close	Send
mart Setting O	pen	Save	Send Data Save Read Bac

17. Observe whether the box is displayed normally. Then click the "save" button and solidify

the data to the receiving card to prevent data loss from power off and restarting.

Receiver S	creen Conne	ction									
Module Information	1										
Speficification: 643	(64_32Scan		er Chip: ICN n chip: 2012			lines: 32 Groups: 2		Chip ty Delay N			
Box Design											
Normal Design	O Advance	d Desig	1						1	More Des	ig
Module Size:	Box	Width:	64	Ca	scade Dire	ction: From R	ight ToPlug	y Sequer	nce: In	isequence	
64pix x 64pix	Box	Height:	64	Ou	tput mode	ASMMETRIC		Ok		Cano	el
Performance Config	ure										
Frequency:	60	*	Hz	Refresh P	Prompt	1000	× Hz	C	Driver C	hip Attrib	ut
DClock Frequency:	12.50 *	(NA)	MHz	Refresh R	Frompt		^ - ×		Ga	mma Sett	in
DClock Phase:	0	+	ns	Duty Cycl	Solid data	successfully	- 96	s	Scan Ch	ip Attribu	ite
Row Blanking Time	: 2500 R	eal Valu	e(ns): 2886	Close Tin			lue(ns):	1500		ternate so	ar
Line Changing Tim	e: 500 R	eal Valu	e(ns): 504	GClock Fr		ок	- MHz	2			
Calibration type	Not Use	*		Gray Leve	1:	13					
				Input gray	<i>a</i>	8	+ bit				
				Effective r	ate: 8	31.4%					
			_						_		
mart Setting (	Open	Save				Send	i Data	Save		Read Ba	ici

18. Finanlly click Save Box Config button and save the configuration file to laptop.

■ 同异步强作说明:       ● OneDrive         ● 此电脑       ● WPS云盘         ● 上海熙讯电子科:       ● 300ppi         ● 30 穷途       ● 10000         ● 四店       ● 75%         ● 下號       ● 00000         ● 下號       ● 000000         ● 下號       ● 000000         ● 下號       ● 00000000         ● 下號       ● 0000000000         ● 下號       ● 00000000000000000         ● 「下號       ● 000000000000000000000000000000000000	Receiver Screen Connection			×	
组织 ● 新建文件夹 ■ 同异步操作说明 ● OneDrive ■ 此电脑 ● WPS云盘 ■ 上海熙讯电子科: ③ 3D 对象 ■ 调频 ■ 可加 ● T 報 ● 文件名(N): 保存类型(I): box-conf Files (*.box-conf) ■ Effective rate: 81.4% ● More Desig g Sequence: Insequence ● CK Cancel ● Driver Chip Attribut Gamma Settin Scan Chip Attribute p: 1500 ● Alternate scan tz Effective rate: 81.4%		~ ひ 在	桌面 中搜索	Р Ch	ip type: D60\D70
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<ul> <li>WPS云盘</li> <li>上海照讯电子科:</li> <li>3D 对象</li> <li>通 视频</li> <li>函 对象</li> <li>图片</li> <li>文档</li> <li>下载</li> <li>文件名(N):</li> <li>保存类型(D: box-conf Files (*.box-conf)</li> <li>mput gray: 8</li> <li>Effective rate: 81.4%</li> </ul>	OneDrive	Ps		^	More Desig
■ 祝班 ■ 朗片 ② 文档 ◆ 下號 ◇ 作名(N): 保存类型(1): box-conf Files (*.box-conf) ● box-conf Files (*.box-conf) ● cup data and a cup	● WPS云盘 1 上海熙讯电子科: 500ppi		20221228015R 熙讯云-主控卡处		
保存类型(I): box-conf Files (*.box-conf) 保存类型(I): box-conf Files (*.box-conf) 保存(S) 取消 Input gray: 8 bit Effective rate: 81.4%	■ 図片 ■ 文档	Re-	理略 ROHS 2	~	Driver Chip Attribut Gamma Settin Scan Chip Attribute
Input gray: 8 Dit		conf)			00 🗌 Alternate scar
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Smart Setting Open Save Read Back		Effective ra	ate: 81.4%		
	Smart Setting Open Save		Sen	d Data	Save Read Back

#### **Screen Connection**

19. While the receiving card is configured, click the "screen connection" button in the menu bar of the receiving card configuration interface to enter the screen window interface.

**Load:** load the saved screen configuration file.

② **Save to file:** save the display configuration information to the computer in (.\* dcc ) format.

**Send:** send screen configuration information to the sending and receiving cards.

**Read back:** click this button will read back the existed screen connection configuration from the good working receiving card so that can quickly send to the new receiving card.

(5) **Open Box sign:** click this button then will auto show the receiving card numbers in correct order in each cabinet.

6 **Receiving card quantity:** it will show all receiving cards numbers, there are normally two digits, for example: [1.0] means Ethernet port 1 of sending card has connected 1 receiving card, while Ethernet port 2 of sending card no receiving card.

#### Notes:

When do the connection operation of the current display. firstly clickthe "refresh" button to refresh all the receiving card to check whether thechip number (usually receiving card number) is consistent with the number of the connected, if not consistent, please check the hardware connection, whenconnecting several sending cards please switch to find the correspondingsending card for debugging.

Receiver	Screen Connection	
reen1		Display Number: 1 👻 Configu
Receiver Card	2 NetPort:1 Receiver:1 Width:64	Start Location X Pos: 0 Receiver Card Set Columns: 2 Rews: 1 Width: 128 Select as empty all(active port) Sending Card Setting Netport Number: 1 2 5 4 5 6 7 5 5 10 11 12 13 15 16 17 18 19 20 21 0 23 24 Quick Connection
		Automatic size Hide Connection Line Revert Reset Netport Reset ALL

 $\bigcirc$  Switching sending card: if there are more than one sending cards in the same

network, can switch to the correct sending card when sending parameters.

🔡 s	creen Conf	iguration				-	1 <del></del>	□ ×
	Receiver	Screen Connection						
1,000,00	een1	avout				Number: 1	Ŧ	Configure
	1	2			X Pos		Y Pos	: 0
1	NetPort:1 Receiver:2 Width:64 Height:44	NetPort:1 Receiver:1 Width:64 Height:24				ver Card Set	Rows	: 1
		Sending Card Slection				×	Height	: 128
		Sending Card Checking Sending Card 1D:AE8DB694D014 Name: Type:m7s-c22-00069 Receiver Card Quantity	ID:0CCF8901C2EB Edit Name: Type:y70-421-00060 1,0 Receiver Card Quar	Charles and the second s			all(act	7 <b>6</b> 7 <b>6</b> 15 16 23 24
		Current sending card ye	ou choose <mark>Refres</mark> i	1	ОК	Cancel		
					🗆 ніа	atic size e Connection Netport		Revert Reset ALL
		Save To File Send	Save Read-bac	k Receiver Card: [1,0]		Refresh	Ope <u>Change</u>	en Box Sign

20. In the screen connection interface, the cascade mode of receiving card as well as the width and the height can be set according to the actual situation of large screen, (the width and height of the dots of each receiving cards can be different),

Please setup the cascading way including receiver card width and height pixels correctly.

Display Number: number range 1-20, please select according to real situation, click Configure button after choose. If choose 2 means LED screen is double sides, you need do screen connection one by one.

(2) **Starting location**: LED display interception position of input signal source. The default state is (0, 0), which means that the LED display starts at the point (0, 0) of the video source.

(3) **Receiving card Settings:** Set the rows and lines and the dots of the width of each receiving cards according to the actual number of cards used in the screen .

**Position blank:** click the "Select Empty position" button , and then select the blank. When set, click the button again to exit the select blanks operation.

(5) **Apply to current port** : set the size of all boxes connected to this port to the current column width and column height.

6 **Sending card setting:** select the output port of sending card.

 $\oslash$  **Connect hub:** if adopt the hub in the big screen can do following operations:

- Choose the "Connect HUB" option;
- Select the sending card Ethernet port and setup the "hub address";
- Choose "hub address" and do screen connection;

**Quick connect:** the entire screen is loaded with only one network cable and the

receiving card's network cable is regularly cascaded.

9 **Hidden connection line:** When checking the hidden connection line box, the display

wire knowledge will be hidden.

- **Revert:** cancel the lastest operation
- **Reset Netport:** will revert all setup for current Ethernet port.
- **Revert ALL:** will revert all setup for all network ports.

Receiver	Screen Connection		
Receiver Screen1 Receiver Card 1 NetPort1 Receiver;2 Widthya Height.u	Layout 2 NetPort:1 Receiver:1 Width:64	Receiver Card Set Columns: 2 R Width: 128 He	15 16 23 24
		Hide Connection Line Reset Netport Save Read-back	Revert Reset ALL Open Box Sig

21. Click send and choose "as the main sender" and save to device; or choose "As the backup sender" to save to backup sender device. For double sender backup only work for synchronous controller.

Screen Con	figuration		₹ — □ ×
Receiver	Screen Connection		
Screen1			Display Number: 1 • Configure
Receiver Card L       1       NetPort1       Receiver:2       Width:64       Height:64	ayout 2 Receiver:1 Width:64 Height:34	To send data options × □ 网口目动音份 As the main sender As the backup sender cable and video source end back end.	Start Location         X Pos: 0       Y Pos: 0         Receiver Card Set         Columns: 2       Rows: 1         Width: 128       Height: 128         Select as empty       all(active port)         Sending Card Setting       Netport Number:         1       2       4       5       6       7         9       10       11       12       15       16         17       18       19       20       21       23       24         Quick Connection       E       E       E       E       E
	Save To File	Save Read-back ID:[AE8DB694D014] Receiver Card: [1,0]	Automatic size Automatic size Hide Connection Line Reset Netport Reset ALL Open Box Sign Refresh Change Sender

# LedOK Setup System Parameters

### LED Screen Width and Height Pixels

LedOK Express software, advanced parameters and enter screen width and height pixels, then

click save.

Leo	OK Express		E	
	ALL4 Q			Current screen: m7s-c22-00069 Refresh 💌
	Screen ID	Online	Screen IP	🔆 ሀ 🛜 🚯 🔒 🕒 🚳 🔯 📼
	m7s-c22-00069		192.168.1.120	Brightness Adj. Power Control Network Config Time Sync Password Video Source Volume Advanced Test
	y08-123-40282	٠	192.168.1.100	Advanced Screen Width(pixel) 64 Height 64 Set Alias 66 Set
	e22-221-40661	•	192.168.1.135	Web Server Address: www.m2mled.net  Company ID AA8888 Set
	y70-421-00060	•	192.168.1.108	Realtimer Server Address: www.ledokcloud.com/realtime V Set Clear
Dete				Firmware Management       (APK / FPGA update or uninstall)         Check Apk          Uninstall       Running check         Restart       Clear Program         Check Log       Timing Reboot         Display Mode       Set         Get       Start LedSet3.0 configure LED module (used by manufacturer's professionals)         Start LedSet4.0 (Apk Display2.0 and higher)         Binding * ic account indentity voucher

# **LedOK Setup Network**

There are 3 ways of accessing internet for controller, 1. Wire 2. WIFI 3. 3G/4G. can only choose

either of them.

#### Wire Setup

Network configuration, first is Wire, can setup the controller IP address.



#### NOTES:

- 1. Controller will get access to internet by wire as first priority.
- 2. Must remove the LAN cable from controller if choose WIFI or 3G internet and choose automatically acquisition IP.

### **WiFi Configuration**

Led	OK Express		E	3			Solutions			Term	ininal Control	- 0	×
	ALL4 Q			Current screen	m7s-c22-0006	9						Refresh	-
□•	Screen ID	Online	Screen IP		C		(3)	A			Ö	TEST	т
$\checkmark$	m7s-c22-00069		192.168.1.120	Brightness Adj	Power Contro	Network Config	Time Sync	Password	Video Source	Volume	Advanced	Test	t
	y08-123-40282	٠	192.168.1.100				WiFi WiFi I	Ti Configuration	n D AP				^
	e22-221-40661	•	192.168.1.135	WiFi name	Home		Scan						
	y70-421-00060	•	192.168.1.108	Password	Input password				_				
							Set	Read	AVGC N				_
				Enable Ce	ellular Data Ge	et cellular network st	2000 2000	_					
				Set APN Info									
					"check status" ng APN informat	button, you can aut ion.	omatically match	n the country co	de MCC, and ther	n select "opera	ator" to get the		
				Country ID(n	ncc):	<ul> <li>-&gt; Carrier Name</li> </ul>			•				
					APN	ctite			Port				
					Carrier Name	CHINATELECOM C	TCC	P	roxy				
					User			m	imsc				
					Password			MMS	Port				
					Туре	default,supl		MMS P	roxy				

Turn on WIFI and scanning WIFI hotspot, then enter wifi password and click save.

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:

- 1. If could not scanning the WiFi, please try to turn on/turn off Software or WiFi Switch.
- 2. If controller can't get access to internet through WiFi, please double check the steps

below:

A.WiFi antenna plug correctly.

B.WiFi password is correct or not.

C.If the Wireless router being accessed too many terminals?

D.E series controller switch on WIFI mode?

E.Try another WIFI hot spot.

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

#### 3G/4G Setup

Enable 4G/5G option, click" Check" button will auto match the country code MMC and choose the operator name to get the APN , if can not find your country code, please enter by click custom option.

4	AL.		_			_				0	- 🗆 🗙
Leo	IOK Express		E								
A	ALL4 Q		Term	Current screen: m7s-c22-000	69	Solutions			Ierr	ninal Control	Refresh 🔻
	Screen ID	Online	Screen IP	- <u>ii</u> - du		(A)	<b>A</b>			Ö	TEST
	m7s-c22-00069		192.168.1.120	Brightness Adj. Power Contr	Network Config	Time Sync	Password	Video Source	Volume	Advanced	Test
	y08-123-40282		192.168.1.100			Set	Read	Iback			Â
	e22-221-40661	•	192.168.1.135			C	ellular Config				
	y70-421-00060		192.168.1.108	Enable Cellular Data	et cellular network sta	atus informatior	1				
				- Set APN Info Through the "check status" corresponding APN informa		omatically matcl	n the country co	de MCC, and ther	select "opera	ator" to get the	
				Country ID(mcc):	<ul> <li>-&gt; Carrier Name</li> </ul>			•			
				APN	ctite			Port			
				Carrier Name	CHINATELECOM C	тсс	P	roxy			
				User			m	imsc			
				Password			MMS	Port			
				Туре	default,supl		MMS P	roxy			
				Server				Set		Readback	
				1. Contraction (1. Contraction							
				Flight Mode	eadback						
Deter	**										Ŧ

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:

A.3G antenna has plugged correctly?

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

C.APN is correct or not?

D.SIM card has activate? SIM card has enough money and 3G data service? E.Check 3G signal at least 13 and above? Click Network status detection to check 3G signal.

# **AIPS Cloud Platform Register**

## **Register For AIPS Platform**

Visit www.ledaips.com and choose Register to starting input related information, click done

and verified the link sent by email, finish the register.

LANGUAGE	
English	~
ADMIN ACCOUNT	
Admin Account	
ADMIN PASSWORD	
Admin Password	
Login Reset password	Join
Download guide video a	nd documents
SYBOLUTIC	งณ
	f Google Chrome for

Oversea address: www.ledaips.com

LedOK Express		E	
ALL3 Q			Current screen: y5a-523-00117 Refresh 🔻
Screen ID	Online	Screen IP	🔆 🕛 🛜 🖄 🔒 🖨 🙆 🔯 📾
st5-c22-00146		192.168.1.47	Brightness Adj. Power Control Network Config Time Sync Password Video Source Volume Advanced Test
y70-421-00060		192.168.1.125	Advanced Screen Width(pixel) 1280 Height 720 Set Alias Set
✓ y5a-523-00117	•	192.168.1.10	Web Server Address: www.ledaips.com  Company ID xixuntest Set Realtimer Server Addr www.ledaips.com www.ledaips.com Set Clear Firmware Managee https://www.ledaips.com.2340 https://www.ledaip

# **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

click OK.

				/idth 1920	Height 1080
Program List				1920	Height 1000
	_				Close OK
+ Add simple program	+ Add advance	d program			
Type All					
Name	Туре	Width	Height	Size	Action
车载	Advanced	300	100	0.016MB	🕼 Edit 📦 Copy 🗶 Create Tack quickly 🛃 Downbad 🗐 Dekter 🗮 Terminal Play Log
灯杆	Simple	1080	1920	0.285MB	🕼 Copy 🔰 Create Task quickly 🛃 Download 🕅 Develo
时间	Advanced	64	64	0.002MB	Cf Edit 🕼 Copy 🛓 Create Task quickly 🛓 Download 🗿 Delete
车后窗屏	Simple	108	72	0.425MB	Cf Edil 🛍 Copy 🚨 Create Task quickly 🛃 Downbad 🔠 Dekre 🔲 Terminal Play Log
车前窗150x120	Simple	150	120	1.371MB	🕼 Copy 🗶 Create Task quickly 🛃 Downbad 📓 Davide 🗮 Terminal Play Log
単面	Simple	128	256	0.579MB	🕼 Edil 📓 Copy 🗶 Create Task quickly 🛃 Download 📓 Deteter 🗮 Terminal Play Log
公交屏	Simple	400	80	3.763MB	🕼 Edit 👔 Copy 🚨 Create Task quickly 🛃 Downbad 👔 Delete 📰 Terminal Play Log
双面灯杆屏	Simple	136	272	0.579MB	G'Edt 🕼 Copy 본 Create Task quickly 🛃 Download 🖀 Definite 🚍 Terminal Play Log
天气预报测试	Advanced	64	256	0.000MB	© Edt 🕼 Copy 🚨 Create Task quickly 🕹 Downbad 🔮 Detele
32X32-Y10	Simple	32	32	52.540MB	🕼 Edit 🕼 Copy 🗶 Create Task quickly 🛃 Downbad 📓 Detele 🔚 Terminal Play Log
1 2 3 4	5 6 7 8	9 10	11 12	12 14 15	5 16 17 18 19 20 = 65

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	a 🖺 Programs 🕢	Check Task	🔓 Log 🕶			* Services		*	
					, LXH (Authenticated		in 2020-09-27 0	9:04:49	> Logout
Meida Group All	<b>~</b>	Program Wic	tth:1080px	Height:1920px	Viev	wPanel			
Image		Name		R Save					
Video		1	2	↑ <del>↓</del>					
	_								
					-				

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:

Meida Group 🛛 All 🗸 🗸		Program V	/idth:1920px	Height:1080px	_	ViewPanel	_	
Image		Name 1	2 Null: 1920		R Save			6
	export158038982757 5MB	1		微信图片_202007 10(s) 00:00:10	Download		DR	1ª
	export158038983075 8MB	2 C CLARA	International Action	None lanqiu.jpg 10(s) 00:00:10	Download			
<ul> <li>Bullethickerburke</li> </ul>	iu.jpg OMB	triller vit Gr(34)		None	~			
	.png 2MB							
	6.jpg							

5. Will see program in the list after save.

		_	_	_	L LATE (Autorenticated)	+ Lagast
Program List						
+ Addsimple progr	am + Add advance	d program				
Type Ali 🗸						
Name	Туре	Width	Height	Size	Action	
Name	Simple	1920	1080	3.774MB	🕼 Edit 📦 Copy 🗶 Create Task quickly 🛃 Download 🖀 Detate 🧮 Terminal Play Log	
车载	Advanced	300	100	0.016MB	🕼 Edit 📦 Copy 其 Create Task quickly 🛃 Download 🔋 Debte	
灯杆	Simple	1080	1920	0.285MB	G'Edit 🕼 Copy 🚨 Create Task quicky 🛃 Download 👔 Deleta 🗐 Terminal Play Log	
时间	Advanced	64	64	0.002MB	C/Edit Dopy Z Create Task quickly Download Debter Triminal Play Log	
车后窗屏	Simple	108	72	0.425MB	C/ Edi 🕼 Copy 🙎 Greate Task quickly 🛓 Download 💼 Doleto 🗮 Terminal Play Log	
车前窗150x120	Simple	150	120	1.371MB	C'Ed! 🕼 Copy 🚨 Create Task quickly 🛃 Download 🚺 Dokte 🗮 Terminal Play Log	
单面	Simple	128	256	0.579MB	Cf Edil 👔 Copy 🚊 Greate Task quickly 🛃 Download 💼 Dolete 🔚 Terminal Play Log	
公交屏	Simple	400	80	3.763MB	C/Edt 🕼 Copy 🚊 Create Task quickly 🛓 Download 🛑 Dokte 🗮 Terri Inal Pixy Lop	
双面灯杆屏	Simple	136	272	0.579MB	C' Edit 📦 Copy 🚊 Create Tack quickly 🛓 Download 💼 Dolete 🗮 Terminal Play Log	
天气预报测试	Advanced	64	256	0.000MB	🕼 Copy 🚊 Create Task quickly 🛃 Download 🗐 Datele 🧮 Term inal Play Log	
1 2 3 4	5 6 7 8	9 10			15 16 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.

							(Commond)			
Program List		_	N N	/idth 1920		Height	1080			
Filligram Eller			-				Clos	e OK	_	
+ Add simple program	+ Add advanced	program					Cito	UK		
Type All 🗸										
Name	Туре	Width	Height	Size	Action					
Name	Simple	1920	1080	3.774MB	🛛 Edt 📑 Copy 🙎	Greate Task qu	ickly & Download	Dolote 1	Terminal Play Log	
车载	Advanced	300	100	0.016MB	🖾 Edit 👔 Copy 🔰	Create Task qu	Download	E Doiete	Terminal Play Log	
灯杆	Simple	1080	1920	0.285MB	C Edt D Copy	, Create Task qu	icióy 🛓 Download	Deinte 🖥	Terminal Play Log	
时间	Advanced	64	64	0.002MB	G'Edil 🖬 Copy 💄	, Create Task qu	cky Ł Download	1 Delete	Terminal Play Log	
车后窗屏	Simple	108	72	0.425MB	G Eat B Copy	, Create Task qu	eloy Ł Download	B Delete	Terminal Play Log	
车前窗150x120	Simple	150	120	1.371MB	🕼 Edi 📓 Copy 🞽	, Creale Task qu	ckly Ł Download	Delete	Terminal Play Log	
単面	Simple	128	256	0.579MB	G Edit 🕼 Copy 🚨	. Create Task qu	ekly ±Download	Delete	Terminal Play Log	
公交屏	Simple	400	80	3.763MB	🕼 Edit 📑 Copy 🚨	, Create Task qu	icky & Download	Dolote	Terminal Play Log	
双面灯杆屏	Simple	136	272	0.579MB	🕼 Edt 👪 Copy 🚨	, Create Task qu	cky ±Download	Delete	Terminal Play Log	
天气预报测试	Advanced	64	256	0.000MB	CEdt BCopy	, Create Task qu	Roy ±Download	B Delete	Terminal Play Log	
1 2 3 4	5 6 7 8	9 10	11 12	13 14 15	16 17 18 1	19 20 -	65			

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

Terminal Control 🛛 🕄 Media	≌Programs @CheckTask ∎Log+ @GPSTask+ LUser+ #Services *	L LXH	O Last Login 2020-09-27 09:04:49	agent .
Meida Group All	TimePanel Scale unit to O	Program properties		
Image	+New layer         00:00:00         00:00:10         00:00:20         00:00:30         00:00:40           1         X         C         ↓         ^	Name	Width 1920 Height 11	080
Video		Info of chosen item		
Audio	×			
Analog clock	· · · · · · · · · · · · · · · · · · ·	Click the item in TimeF	Panel 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.

	Terminal Control - Media	IIIPrograms @Check.Task IIILog+ @GPS.Task+ _LUser+ #Services #	1 DOH	O Last Legin 2020-05-27 09:04:40 D Layer	I
1	Meida Group All.	TimePanel Scale unit to O	Program properties		
	Image	Hiewayer         000000         000010         000020         000040           2         0         1         1         1         1	Name	Width 1920 Height 1080	
	Video				
	Audio		Info of chosen item		
	Analog clock	•	Click the item in TimeP	anel 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	· ·			
	Chinese Weather				
4					*

All 🗸	
Image	+Niew layer         000000         00:00:10         00:00:30         00:00:40         Name         Width         1920         Height         1           2         IC         I         ISBND.mp4         I
Video	
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	Drag onto the timeline , Name 超過HD.mp4 Class Video
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着格式工厂金色航速	A 454 A Begin at 0000.06
📋 RTA.mp4	Continue DD:03:46
	Entered transition None
會 英皇珠宝.mp4	Entered duration
â 61089 320x640.m	Exited transition None
Contract of the local	Exited duration 0
1 2 3 4	4Downbad
5 6 7 8 9	
10 11 12 13	
14 15	
Audio	
Analog clock	

3. Can set the program parameters, start and end time,



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

nage ideo	2 X C T U 经股HD.mp4 1 X C T U	нв	
		Into of chosen item	
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udio			

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

Program List						
+ Add simple progra	an 🕂 Add advances	d program				
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		1117-014		0		
Name	Туре	Width	Height	Size	Action	
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Name	Simple	1920	1080	3.774MB	ES Edit 📾 Copy 🚵 Create Task quickly 🛃 Download 🚺 Develop	
车载	Advanced	300	100	0.016MB	🕼 Copy 📓 Create Task quickly 🛃 Download 📑 Detete	
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1 2 3 4				10 11 15	16 17 18 19 20 - 65	

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

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Program List					
+ Add simple progra	m + Add advance	The second second			
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1 2 3 4	5 6 7 8	9 10	11 12	13 14 15	5 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 @CheckTask Log+ @GPSTask+ LUser+ #Services #	I DXH	O Last Login 2020-	-09-27 09:04:49 C> Legent
Meida Group All 🗸	TimePanel Scale unit 16 • •	Program properties		
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Setup parameters for text, including the start and end time.

Terminal Control Media	BPrograms OCheck Task      BLog+      QGPS Task+      LUser+      Services      +	1 LXH O Last Login 2020-09-27 09:04:49 C+ taged
Meida Group All 🗸	TimePanel Scale unit to O O	Program properties
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Setup the text color, font size and add more pages, please pay attention to our TIPS message in below, save and quit after finish.



line. Define the following string instead of the value of sensors in terminal: %c is celcius, %f is fahrenhite, %h is humidity, (%c1 %f1) or (%c2 %f2) round to 1 or 2 digit(s) after the decimal point

#### Send Program

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

terminal interface directly.

					Like (Automaticated) (O Land Lagin 2020-09-27 09:06-48) (O sug
Program List					
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Name	Simple	1920	1080	3.774MB	🕼 Edit 📓 Copy 🔰 Create Task quekty 🕹 Download 👔 Datata 📋 Terminal Play Log
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车前窗150x120	Simple	150	120	1.371MB	🖸 Edit 🔯 Copy 🗶 Create Task quickly 🛃 Downbad 👕 Down
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1 2 3 4	5 6 7 8	0 40	44 40	42 44 4	15 16 17 18 19 20 - 65

2. Select the controller and send program

e ld y60-620-40306	Alias	Group	Net type	Last offline	Width	The second second						
y60-620-40306					wind	Height	Brightness	Volume	Screen status	Sensor	Current playing program Lock	Connection version
	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
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
y10-716-00108	noname	已入库	WIFI	2020-05-28 09:03:20	1280	512	15	12	on			10.0.7T
y10-716-00473	noname	董工	WIFI 🔫	2018-12-21 09:38:56	1280	512	64	12	on	"C%	unknown	9.8.8test
m60-518-00044	noname		ETHERNET	2019-09-16 18:35:38	64	64	200	9	on			10.0.7T
e11-a18-40426	426		WIFI 🔫	2020-06-18 15:45:44	-1	-1		15	unknown			10.1.9T
y30-a18-80233	noname		WIFI 🔷	2019-09-22 17:42:59	96	192	22	9	on			10.0.7T
m60-818-00254	noname	已入库	WIFI	2019-07-27 18:16:02	256	256	255	0	on			9.8.6test
y30-219-84125	noname		WIFI	2019-08-26 08:37:55	1280	720	255	12	on		1280x1024	10.1.4T
e10-b18-40911	noname	已入库	WIFI	2019-09-21 16:03:54	384	128	64	12	on	"C%		9.9.1Test
	y10-716-00473 m60-518-00044 e11-a18-40426 y30-a18-80233 m60-818-00254 y30-219-84125	y10-718-00473 noname m60-518-00044 noname e11-a18-40426 426 y30-a18-80233 noname m60-818-00254 noname y30-219-84125 noname	y1D-716-00473 noname 第1 m60-518-00044 noname e11-a18-40426 426 y30-a18-80233 noname m60-818-00254 noname 已入库 y30-219-84125 noname	y10-716-00473 noname	y10-716-00473 noname 紅 WFI 2018-12-21 09:38:56 m60-518-00044 noname ETHERNET 2019-08-16 18:35:38 e11-a18-40426 426 WFI 2020-06-18 15:45:44 y30-a18-80233 noname WFI 2020-06-18 15:45:44 m60-818-00254 noname 已入嫁 WFI 2019-09-22 17:42:59 m60-818-00254 noname 已入嫁 WFI 2019-07-27 18:16.02 y30-219-84125 noname WFI 2019-08-26 08:37:55	y10-716-00473 noname 証 WFI  2018-12-21 09:38:56 1280 m60-518-00044 noname ETHERNET 2019-08-16 18:35:38 64 e11-a18-40426 426 WFI  2020-06-18 15:45:44 -1 y30-a18-80233 noname WFI  2019-09-22 17:42:59 96 m60-818-00254 noname 已入库 WFI  2019-07-27 18:16:02 256 y30-219-84125 noname WFI  2019-08-26 08:37:55 1280	y10-716-00473     noname 董工     WFI ↓     2018-12-21 09:38:56     1280     512       m60-518-00044     noname     ETHERNET     2019-08-16 18:35:38     64     64       e11-a18-40426     426     WFI ↓     2020-06-18 15:45:44     -1     -1       y30-a18-80233     noname     WFI ↓     2019-08-22 17:42:59     96     192       m60-818-00254     noname     2\/ft     WFI ↓     2019-07-27 18:16:02     256       y30-219-84125     noname     WFI ↓     2019-08-26 08:37:55     1280     720	y1D-716-00473         noname         証         WFI ▼         2018-12-21 09:38:56         1280         512         64           m60-518-00044         noname         ETHERNET         2019-08-16 18:35:38         64         64         200           e11-a18-40426         426         WFI ▼         2020-06-18 15:45:44         -1         -1            y30-a18-80233         noname         WFI ▼         2019-09-22 17:42:59         96         192         22           m60-818-00254         noname         EXF         WFI ▼         2019-07-27 18:16:02         256         255           y30-219-84125         noname         WFI ▼         2019-08-26 08:37:55         1280         720         255	y10-716-00473       noname 董王       WFI ◆       2018-12-21 09-38.56       1280       512       64       12         m60-518-00044       noname       ETHERNET       2019-09-16 18.35.38       64       64       200       9         e11-a18-40426       426       WFI ◆       2020-08-18 15:45:44       -1       -1        15         y30-a18-80233       noname       WFI ◆       2019-09-22 17:42:59       66       132       22       9         m60-818-00254       noname       CMFI ◆       2019-07-27 18:16.02       256       255       0         y30-219-84125       noname       WFI ◆       2019-08-26 08:37:55       1280       720       255       12	y10-716-00473       noname 紅I       WFI →       2018-12-21 09:38:56       1280       512       64       12       on         m80-518-00044       noname       ETHERNET       2019-09:16 18:35:38       64       64       200       9       on         e11-a18-40426       426       WFI →       2020-06-18 15:45:44       -1       -1        15       unknown         y30-a18-80233       noname       WFI →       2019-09-22 17:42:59       96       192       22       9       on         m60-818-00254       noname       E \/F I →       2019-07-27 18:16:02       256       256       0       on         y30-219-84125       noname       E \/F I →       2019-08-26 08:37:55       1280       720       255       12       on	y10-716-00473 noname 紅 WFI 2018-12-21 09:38:56 1280 512 64 12 on℃% m60-518-00044 noname 紅THERNET 2019-08-16 18:35:38 64 64 200 9 on e11-a18-40426 426 WFI 2020-06-18 15:45:44 -1 -1 15 unknown y30-a18-80233 noname WFI 2019-09-22 17:42:59 96 192 22 9 on m60-818-00254 noname 已入嫁 WFI 2019-07-27 18:16:02 266 256 256 0 on y30-219-84125 noname WFI 2019-08-26 08:37:55 1280 720 255 12 on	y10-716-00473       noname 紅工       WFI ◆       2018-12-21 09:38.56 1280       512       64       12       on      ℃%       unknown         m60-518-00044       noname       ETHERNET       2019-09-16 18:35:38       64       64       200       9       on      ℃%       unknown         e11-a18-40426       426       WFI ◆       2020-06-18 15:45:44       -1       -1       -       15       unknown         y30-a18-80233       noname       WFI ◆       2019-09-22 17:42:59       96       192       22       9       on       -

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 Task	Live Video	O Screen Switch	Custom Switch	O Screen Brightness
Volume Control	Schange group	Config Setting	Hardware Status	A Warning Swit	ch 🕇 Update	Online C Reboot	Terminal transfe	r 📑 Upload Player Logs
Load HTML	Video Monitoring	Video Processor	🔡 Relay Config	Other function				
Submit Task								
Execute task at time								
•	1	Send	Name		Da	te created		Create by
6		<ul> <li>Image: A set of the set of the</li></ul>	Name1_Task		20	20-09-27 10:31:21		LXH
6		*	32X32-Y10_Task		20	20-09-22 10:17:42		sztest
6		*	灯杆_Task		20	20-09-14 14:02:54		LXH
6		*	时间_Task		20	20-09-09 10:01:08		sztest
C 🚺		·	车后窗屏_Task		20	20-08-31 10:37:45		sztest
6		*	车前窗150x120_Task		20	20-08-30 20:47:47		sztest
6		*	单面_Task		20	20-08-30 19:06:10		sztest
6		·	公交屏_Task		20	20-08-30 18:35:05		sztest
6		·	双面灯杆屏_Task		20	20-08-30 16:34:07		sztest
6			天气预报测试_Task		20	20-08-18 14:09:20		Ledshow

# Synchronous and asynchronous

# setup

There are two setup ways: manual and schedule

#### Button of sync&async setup

Running LedOK Express software, enter terminal control, and open sync&async setup, select the controller and choose display mode.

Sync: means the M70 will keep connection with extra device through HDMI cable and then display the synchronous image or video on the led display.

Async: means the M70 work without laptop or other extra device, it will accept the programs from the LEDAIPS platform and display.

	NP.						_			_ @ - D :							
	OK Express		E								2						
LU	IOIC Express		Term	inals			Solutions			Term	ninal Control						
	ALL4 Q			Current screen:	m7s-c22-00069							Refresh	-				
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	m7s-c22-00069		192.168.1.120	Brightness Adj.	Power Control	Network Config	Time Sync	Password	Video Source	Volume	Advanced	Tes	it .				
	y08-123-40282	•	192.168.1.100														
	e22-221-40661		192.168.1.135		Manual     Schedule     Async     HDMI												
	y70-421-00060	•	192.168.1.108														
							Se	t Read	back								
			Set														
Dete	t																

Manual or schedule. Also can click read back button to know controller current mode.

### Switch schedule

In schedule setup interface, can add schedule tasks according to customer requests, default status is displaying asynchronous content.

After finishing setup, click apply.

Can also export the schedule task from software to computer, or you can import the schedule tasks into software.

Le	dok Express		E							S	olutions					Ter	minal Control	- 0	×
æ	ALL4 Q			Curr	ent screen	: m7s	-c22-0006	9										Refresh	-
	Screen ID	Online	Screen IP	] .	<b>.</b>		C		ŝ		()		9				Ö	TEST	
$\checkmark$	m7s-c22-00069		192.168.1.120	Brig	htness Adj	Po	wer Contro	Netw	ork Config	т	ime Synd	: Pa	ssword	Video S	Source	Volume	Advanced	Test	
	y08-123-40282		192.168.1.100	-							Vid	leo source	e configur	ation					
	e22-221-40661	•	192.168.1.135			elete	Clear				O Ma	anual	Sc	hedule					
	y70-421-00060	•	192.168.1.108			efault, asynchronous content is played, and synchronous hdmi-in port input content is played in a fixed time period												оп	
					Start Tim		End Time			ON	TUE	WED	THU	FRI	SAT				
				1	07:00	\$	12:00	≎ 🖂	0,000,0		$\checkmark$				$\checkmark$				
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