

LEDshowTV2019

USER MANUAL

 \wedge

Please read this user manual before you user ONBON LED multi-media player.

LedshowTV 2019

STATEMENT

Without the written permission of ONBON, no company or individual may copy, copy, copy or transcribe part or all of its contents without authorization. The manual shall not be used in any form or in any manner (electronic, mechanical, photocopying, recorded or otherwise) for any commercial or profit-making purposes.

The product specifications and information referred to in this manual are for reference only and are subject to update without prior notice. Unless otherwise specified, this manual is only used as guidance, and all statements, information, etc. in this manual are not guaranteed in any form.

CATALOG

INSTRUCTIONS	6
About software	6
FUNCTION INSTRUCITONS	7
Overview	7
Operating Environment	7
INSTALL AND UNINSTALL	9
Software Installation	9
Uninstall software	11
BASIC SETUP	
Connect to the device	
Receiver card configuration	
Setup the receiver card	16
Load scan mode	22
Receive card parameters setup	24
Send device firmware update	
Receiver card firmware	
Multi-function card firmware update	
OVP configuration	
Video processor parameters setup	41
Video processor advanced configuration	47
SOFTWARE INSTRUCTIONS	54
Interface instructions	
Program structure	57
Menu and tools	59

PR	OGRAM EDIT INSTRUCTIONS	64
	Add new program	65
	File window	67
	Finish program edit	69
	Play program	69
	Edit program instruction	70
	Copy area display	70
	Video window	73
	Picture window	75
	Text window	76
	Subtitle window	78
	Vertical subtitle window	79
	Table window	81
	Art text window	83
	Date/time window	84
	Timer window	87
	Video card window	87
	Sensor display	88
	Database display	90
	Weather window	93
FILI	E MENU	95
	New program files	95
	Open program files	95
	Save program files	96
	Save as program files	97
	Import program package	98

Export program package	
COMMON SETUP	
Software options	
Multiply screen edit and play	
Background play	
User management	
CONTROL FUNCTION	
screen brightness	110
Lock current screen	
Unlock current screen	111
Screen timer setting	
Software power on	
Software power off	
Notification management	
TOOLS	
Mouse position	
Check color	
Capscreen Gigabit	
Test	
Screen monitor on	
Desktop monitor	
References	

INSTRUCTIONS

Thanks for using ONBON LED multi-media player. This player can meet with the international and industry standard, However, improper operation can still cause personal injury and property damage. to avoid the dangers of equipment, and to benefit from your equipment as much as possible, please follow relevant instructions in this manual when installing and operating products.

About software

It is illegal to modify, decompiation, disassemble, decrypt or reverse engineer the software which installed on this product.

FUNCTION INSTRUCITONS

Overview

ledshowTV 2019 software is PC software matching with BX-V synchronous full-color series .LedshowTV adopt the best D3D rendering technology and top 2019 gigabit network control technology, make the LED display has more excellent display effect, more convenient and high refresh technology, more abundant display function, complete product series and ultimate user experience.The product is simple and practical, with strong characteristics, and has a stronger competitive advantage in technology innovation and meeting future diversified application requirements.

LedshowTV 2019 support documents, video, audio, pictures, text, subtitles, and forms of all media files;Support Word, Excel, PPT synchronization display;Supports analog clock, date, lunar calendar and timing display;Support multi-area editing;Support for super length 65536 pixels full color display screen.LedshowTV 2019 provides the simplest editorial platform in the industry, which makes all LED screen engineers feel free to use !

LedshowTV 2019 supports the BX-V full range of sending and receiving cards and supports intelligent parameter Settings for LED displays.

LedshowTV 2019 support simplified Chinese, traditional Chinese, English, Korean, Japanese, French, Russian, Thai, Arabic, German, Spanish, Portuguese, Vietnamese, the Kazakh, Croatian, Turkish, total of 16 kinds of languages.

Operating Environment

LedshowTV 2019 Support Windows XP、Vista、Windows 7、Windows 8.

Gigabit network card mode, computer configuration requirements:

- CPU 2.0GHz and higher version, recommend CPU 3.0GHz.
- Memory is more than2GB, recommend 4GB.

• Motherboard is equipped with gigabit network card or external PCI/PCI - E gigabit network card.

Sending card mode, computer configuration requirements:

- CPU 2.0GHz and higher version, recommend CPU 3.0GHz.
- Memory is more than 2GB, recommend 4GB.
- Discrete graphics, more than 512 MB of memory, and must take DVI interface, recommended memory 1 GB.

Notice: In practical application, the user must increase computer performance and configuration according to the LED screen resolution, program complexity or not and whether playing high-definition video source, etc.

INSTALL AND UNINSTALL

Software Installation

1. Open the software CD, double click LedshowTV2019, select the installation language and click OK.

选择语言		×
18	选择安装时使用语言:	
	English	~
	确定取消	

2. Enter into installing guide. Select the destination location and Click "Next" .

🐺 Setup - LedshowTV 2019
Select Destination Location Where should LedshowTV 2019 be installed?
Setup will install LedshowTV 2019 into the following folder.
To continue, click Next. If you would like to select a different folder, click Browse.
C:\Program Files (x86)\Onbon\LedshowTV 2019 Browse
At least 170.4 MB of free disk space is required.
Next > Cancel

3. Ready to install and click "install"

🞼 Setup - LedshowTV 2019		
Ready to Install Setup is now ready to begin installing LedshowTV	2019 on your computer.	
Click Install to continue with the installation, or cl change any settings.	ck Back if you want to review or	
Destination location: C:\Program Files (x86)\Onbon\LedshowTV 2	2019	*
Start Menu folder: LedshowTV 2019		
		*
	< <u>B</u> ack <u>I</u> nstall	Cancel

Picture 3

4. Finish the installation and select "need restart the computer or not" to finish the software installation, click "finish"

😽 Setup - LedshowTV 2019	
\mathcal{I}	Completing the LedshowTV 2019 Setup Wizard
~~~~~	To complete the installation of LedshowTV 2019, Setup must restart your computer. Would you like to restart now?
5	$\odot$ Yes, restart the computer now
	© <u>N</u> o, I will restart the computer later
	Einish

After finishing the installation, there will be a shortcut icon 2019. Double click as to



open the software.

### **Uninstall software**

Software supply automatically uninstall function, in the computer [start] - [all programs] find LEDshow TV 2019, click "uninstall LEDshow TV 2019 is OK. Or unstall from the " control panel"

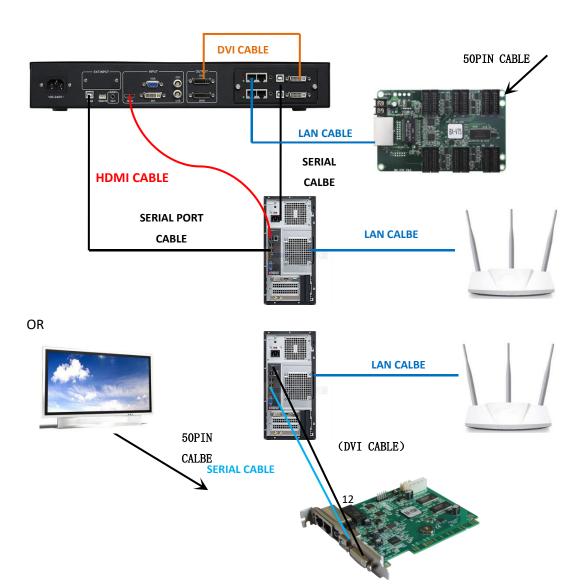
BX	LedshowTV 2019 version 19.07.10.00		169 MB 2019/7/29	
	19.07.10.00			
		修改	卸载	

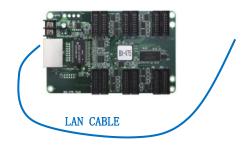
## **BASIC SETUP**

LedshowTV 2019 software integrate the OVP video processor configuration module, use OVP-H4D、OVP-M4D and OVP-M1X、OVP-L1X, can realize the integration of the configuration of multiple formats of video input parameters.Video processor can be integrated with VSM sending card, with integrated video image processing and the LED screen control sending card functions, with exquisite image quality and flexible control greatly meet the requirements of the industry users, especially suitable for LED project screen, small advertising screen, small meeting rooms and other applications.

### **Connect to the device**

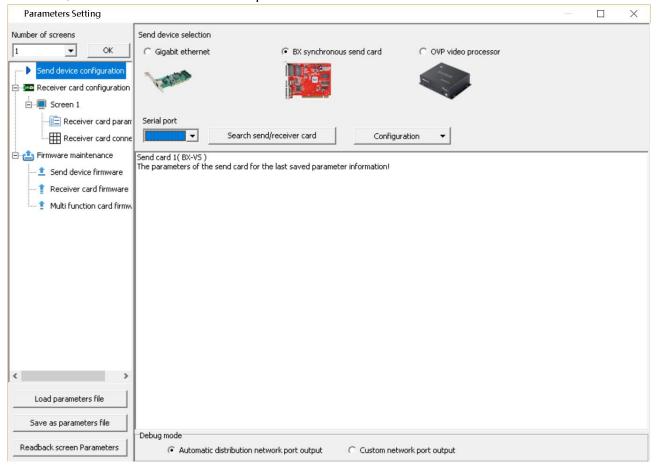
Firstly connect the video processor to the computer and receiving card ,user can choose how to edit the program themselves (take OVP connection or VSM connection for example):





## **Receiver card configuration**

 Click "setup" --" screen options" --" password 888" --" OK" --" send device configuration", click "BX synchronous send card" --set " serial port " click " search send/receiver card" as shown in picture.



2. in the parameters setup interface pls click the configuration and go to the "send card configuration" as shown in picture:

Parameters Setting				
Number of screens	Send device selection			
1 • OK	C Gigabit ethernet	BX synchronous se	end card	C OVP video processor
	1.States			
Screen 1				
- 💼 Receiver card param	Serial port			
Receiver card conne	· ·	Search send/receiver card	Configuration	
🗄 🖆 Firmware maintenance	Send card 1( BX-VS )			configuration
- 主 Send device firmware	The parameters of the s	send card for the last saved parameter in	OVP confi	guration
🕂 👔 Receiver card firmware				
🛄 📋 Multi function card firmw				
	1			

3. In the recommended mode ,pls set the send card resolution as 1440*900(take example the computer resolution as 1440*900

Send card configuration	×
Send card resolution configuration	
DVI frame rate 60	
	* 1024
	Setup

## Multiple display configuration

when the computer connect with multiple LED screen ,firstly should change the computer display mode ,then click the right mouse to set "display mode" as following:



Enter Settings interface, select "display" TAB, in the "show" interface, the resolution is set to "1440 x 900" (the same as the sending card set resolution), and "direction" choose "horizontal", "display Settings" is divided into "copy these display", "expanding the display", "only displayed on the 1", "only displayed on the 2".

- Copying these displays means that both displays display the same picture.
- Extending these displays means that the two displays form a complete picture, and the mouse can move from the first display to the second.

When selecting "expand these monitors" mode, the software supports the background playback function, and the user can view the screen on the desktop of the computer that needs to be monitored through "select desktop monitoring" under "Settings".



### Setup the receiver card

1. Click "receiver card connection " to set the "column count" and" row count" as shown in picture

🐼 Parameters Setting		x
Number of screens	Receiver card connection(Front view screen)            • Standard connection C Complex connection          □ Display connection diagram         ↓         Copy screen         2	
Send device configuration	Right shift       Col count       Row count         0 - 0 - 0 - 1 - 1 - 1 - 0       To bisplay connector       Reset	
⊡-IIII Screen 1 :EI Scan configuration IIII Display parameter co		
Errmware maintenance     Send device firmware		4
1 Receiver card firmware 1 Multi function card firmw	1 🚖	
	Height 96	
	Empty card Data group expa	
4	Output offse	<u>x</u>
Save/Open parameters file 🔻		
Readback screen Parameters	Load specified receiver card -	
	(300/a) † 0K/s	

2. Set the receiver card width and height according to the screen size which connect with receiver card, and click" load to the receiver card" as shown in picture

🛃 Parameters Setting		
Number of screens	Receiver card connection(Front view screen)	
1 <u>•</u> OK	G Standard connection C Complex connection □ Display connection diagram ▼ Copy screen 2 ♣ screens	
Send device configuration	Right shift Down shift Colcount Row count 이 축 이 축 1 축 1 축 C Display connector Reset 보드 다 다 다 다 다 다 다 다 다 다 다 다 다 다 다 다 다 다	
E-E Screen 1	Select the receiver card	Send card
	Rxc1 connection mode	
Receiver card conne	bend card:1	Port
Send device firmware      Receiver card firmware      Multi function card firmw		No.
	set receiver card width	128 🛨 🔳
	set receiver card height	Height 96 🚖 🔟
		Data group expansion
		Output offset
4		
Save/Open parameters file 🔻		
Readback screen Parameters	Load specified receiver card  Load	
		1 0.06K/s

3. if customer want to copy the screen ,please click "setup"--"set screen parameters"after c heck the sending card ,please click" receiver card connect" ,also u can select "copy screen "as re quirement.

🐼 Parameters Setting		x
Number of screens	Receiver card connection(Front view screen)         Image: Standard connection Complex connection Image: Display connection diagram         Image: Copy screen Complex connection Complex connectio	
Send device configuration	Right shift     Down shift     Col count     Row count       0 ♣     0 ♣     1 ♣     T ➡       Display connector     Reset     ➡ ➡	
Screen 1	Send card	
Display parameter co     End Conne     Co	Send card:1	4
Send device firmware     Receiver card firmware	Normal output No.	
Multi function card firmw	Width	
	Height 96 牵	
	C Empty card	ansion
	Output offse	et
Save/Open parameters file		
Readback screen Parameters	Load specified receiver card 👻 Load to receiver card	IJ

4. when connect too much receiver card ,but user want to know about receiver card situation , also can use receiver card connect display connector .after enter into the receiver card con nection interface ,you can select the "display connector "as requirement,as shown in picture

Number of screens	Receiver card connect	ion(Front view s	creen)				
1 • OK	Standard connection	on C Complex	connection	Display connec	tion diagram 🔽 C	oy screen 🛛 2 🚔 s	creens
Send device configuration	Right shift Down shil	ft Colcount F	Row count				
Receiver card configuration		5 🗣	4 🐳 🔽	Display connec	tor Re:	티키리티	
E- Screen 1					-		
Scan configuration	1	2	3	4	5		Send card
	Rxc:5	Rxc:4	Rxc:3	Rxc:2	Rxc:1		1
Display parameter ci	Send card:1 Port:1		Port				
Receiver card conne	1 W:128	W:128	W:128	W:128	W:128		1 2 3
Errmware maintenance	H:96 Normal putput	H:96 Normal output	H:96 Normal output	H:96 Normal output	H:96 Normal output		
- 1 Send device firmware	Rxc:6	Rxc:7	Rxc:8	Rxc:9	Rxc:10		No.
-1 Receiver card firmware	Send card:1	Send card:1 Port:1	Send card:1 Port:1	Send card:1 Port:1	Send card:1 Port:1		11 🜩
Multi function card firmw	2 W:128	W:128	W:128	W:128	W:128		Width
	H:96 Normal output	H:96 Normal output	H:96 Normal output	H:96 Normal output	H:96 Normal putput		128 🜩
	Rxc:15	Rxc:14	Rxc:13	Rxc:12	Rxc:11		Height
	Send card:1 Port:1		96 🚖				
	3 W:128	W:128	W:128	W:128	W1128 H:96		Empty card
	Normal putput			Normal output	Normal output		Data group expa
	Rxc:16	Rxc:17	Rxc:18	Rxc:19	Rxc:20		Output offse
	Send card:1 Port:1	Send card:1 Port:1	Send card:1 Port:1	Send card:1 Port:1	Send card:1 Port:1 W:120		
4 111	4 W:128 H:96	W:120 H:96	W:128 H:96	W:128 H:96	W:126		-
Save/Open parameters file 💌	lan en e		les e s s	<u>les e s s</u>	<u> </u>		
Readback screen Parameters						ied receiver card 👻	Load to receiver card

5. as the same, user can see module connection diagram on the screen .in the receiver connect

Rxc:3	Rxc:2	Rxc:1	🚱 Parameters Setting							
Send card:1 Port:1 <i>N</i> :128 H:96	Send card:1 Port:1 W:128 H:96	Send card:1 Port:1 W:128 H:96	Number of screens           1         V         OK           Image: Send device configuration         Image: Send device configuration         Image: Send device configuration	۰s	iver card connect andard connecti t shift Down shi	on Complex	connection 🔽	⁷ Display connection diagram	🔽 Copy screen 2 🚖 screet	ıs
Rxc:4 Send card:1 Port:1 W:128 H:96	Rxc:5 Send card:1 Port:1 W:128 H:96	Rxc:6 Send card:1 Port:1 W:128 H:96	Solid Generation     Screen 1     Configuration     Display parameter o		1 🖈 1 🛓	2 Rxc:2	6 🛨 🔽	Display connector	Reset 2553	Send card
Rxc:9 Send card:1 Port:1 W:128 H:96	Rxc:8 Send card:1 Port:1 W:128 H:96	Rxc:7 Send card:1 Port:1 W:128 H:96	Cospay parameter o     Cospay parameter o     Receiver card conne     Cospay parameter o     Receiver card conne     Cospay parameter o		Send card:1 Port:1 W:128 H:96 Normal output Rxc:4 Send card:1	Send card:1 Port:1 W:128 H:96 Normal output Rxc:5 Send card:1	Send card:1 Port:1 W:128 H:96 Normal output Rxc:6 Send card:1	-		Port 1 2 3 4 No. 2 +
Rxc:10 Send card:1 Port:1 W:128 H:96	Rxc:11 Send card:1 Port:1 W:128 H:96	Rxc:12 Send card:1 Port:1 W:128 H:96	Multi function card firms	2	Port:1 W:128 H:96	Send Card:1 Port:1 W:128 H:96 Normal output Rxc:8 Send card:1	Send Card:1 Port:1 W:128 H:96 Normal output Rxc:7 Send card:1			Width 128 🜩 🔳 Height 96 🗬 🔢
Rxc:15 Send card:1 Port:1 W:128 H:96	Rxc:14 Send card:1 Port:1 W:128 H:96	Rxc:13 Send card:1 Port:1 W:128 H:96		3	Port:1 W:128 H:96 Normal output Rxc:10 Send card:1	Port:1 W:128 H:96 Normal output Rxc:11 Send card:1	Port:1 W:128 H:96 Normal output Rxc:12 Send card:1			Cutput offset
Rxc:16 Send card:1 Port:1 W:128 H:96	Rxc:17 Send card:1 Port:1 W:128 H:96	Rxc:18 Send card:1 Port:1 W:128 H:96	Image: solution of the soluti	4	Port:1 W:128 H:96	Port:1 W:128 H:96	Port:1 W:128 H:96		oad specified receiver card 💌	• Load to receiver card

ion interface ,you can select "display connection diagram" as requirement

6. Symmetrical/data group expansion (front view screen)

one receiver card control size is 384(W)*256(H),when LED screen width is 512 in width ,96 in hei ght, it is not enough for width ,but height is excess, now if it is not costly to connect one more r eceiver card ,we suggest use our "symmetrical/data group expansion "function " Firstly select the receiver card type,then click "output mode" default is normal output ,also can select the two split/three split/four split.two split means reduce 1/2 of the receiver card height, but increase 1/2 to width.three split means reduce 1/3 of the receiver card height,butbut increa se 1/3 to width ,etc...after setup ,select "apply to all receiver card " then click "OK" .as show n in picture .

Output		Output mode	Information tips
Receiver card BX-V75	-	Two split	Card width 128
Interface count Interface	erse pri pol	Width of data group         First column         64 ÷         64 ÷         Please keep in the first group of output maximum width split mode	Card height 96 Scan mode 1/8 Cable order From right t
<ul> <li>Graphical mode</li> </ul>	C Advanced mode		
Interface:J1 W:64 H:16	Interface:J7 W:64 H:16		Quick sort
Interface: J2 W:64	Interface: J8 W:64		J1 J2
H:16	H:16		]3
Interface: J3	Interface: J9		]4
W:64 H:16	W:64 H:16		
Interface: J4	Interface: J10		J6
W:64	W:64		37
H:16	H:16		
Interface: J5	Interface: J11		
W:64	W:64		J10
H:16	H:16		J11
Interface: J6	Interface:J12	*	J12
utes: the arrow icon indica	tes the cascading direction of	the module.	card OK

7. Receiver card connection

when use many receiver cards ,but if one of them is broken ,and need to replace ,use this fu nction can easy to replace

In the receiver card connection interface ,select the receiver card which will be replaced ,clic k mouse right key and select "load to the selected receiver card" will be OK. As shown in picture

umber of screens	Receiver card conne			Display connection diagram 🔽 Copy screen 2	screens
Send device configuration	Right shift Down sl			Display connector	흔릭미미미미
⊡ Screen 1	1	2	3		Send card
Display parameter of     Display parameter of     Receiver card conne     Firmware maintenance     Send device firmware	Send card:1	Rxc:2 Send card:1 Port:1 W:128 H:96 Normal output	Rxc:1 Send card:1 Port:1 W:128 H:96 Normal output		Port 1 2 3 4 No.
Constant and the second s	Rxc:4 Send card:1 Port:1 W:128 H:96 Normal output	H:96		ed receiver card ed receiver card_copy screen 1	₩idth
	Rxc:9 Send card:1 Port:1 W:128 H:96 Normal output	Rxc:8 Send card:1 Port:1 W:128 H:96	Send card:1 Port:1 W:128 H:96	ed receiver card_copy screen 2	Height 96 🜩 🛄 F Empty card Data group expansi
			1		Output offset
Save/Open parameters file 🔻					
Readback screen Parameters				Load specified receiver card	Load to receiver card

8. Automatic distribution network port output/custom network port output

click "setup" in the menu ,select "screen parameters setting" after testing the sending c ard ,click "send device configuration" enter into the sending card setup interface ,in the" debug mode" can select the "Automatic distribution network port output" then the syste m will automatically distribute the network parameters according to the sending card conn ection situation ,as shown in picture . or user can select the " custom network port output " to get the network parameters as shown in picture

" to set the network output parameters ,as shown in picture

🛃 Parameters Setting							
Number of screens	Send device selection	BX synchror	nous send card	OVP video p	rocessor		
Send device configuration	(and						
Screen 1     Scan configuration     Display parameter o     Deceiver card come	Serial port COM3 Send card 1(BX-VHE)	Search send/receiver card	Configural	tion 👻	Choose rece	eiver card bran	d Setup
Control of the second of	nie paralieters of the se	anu caru nor the last savey paran	ever ini ornadore				
< III + Save/Open parameters file							
Readback screen Parameters	Debug mode	stribution network port output	[°] Custom network po	ort output			

Number of screens	Send device selection					
1 • OK	C Gigabit ethernet	BX synchronous	send card	C OVP video p	processor	
Send device configuration	Taran				L	
Screen 1      Scan configuration      Display parameter c      Display control of the second se	Send card 1( BX-VHE )	Search send/receiver card	Configura	ition 🔻	Choose receiver car	-
Receiver card conne  Firmware maintenance  Send device firmware  Receiver card firmware  Receiver card firmware	The parameters of the s	end card for the last saved paramete	r information!			
Multi function card firmw	Custom network port ou	utput				
	Send card 1( BX-VHE ) Right shift Dov	 vn shift 0 ♣				
	Send card 1(BX-VHE) Right shift Dow 0 1 Port 1 X Y 0 1 V	wn shift	96 🜩 🛛	ort 2 V	Width	Height
< <u> </u>	Send card 1( BX-VHE ) Right shift Dov 0  Port 1 X Y	vn shift 0 🔦 Width Height	96 🚔 🛛 🕅	Ŷ		96 🖤
< ► Save/Open parameters file ▼	Send card 1( BX-VHE ) Right shift Dov Port 1 X Y Port 3 X Y	vishift 0 😴 ₩idth Height 0 🛨 256 🛨 Width Height	96 🛨 🛛	ort 4	0 🛨 256 🛨 Width	96 €           Height           96 €

## Load scan mode

1. To display normal image on the screen ,should load scan mode ,pls click "scan configuration" to set the scan mode of the controller as shown in the picture

er of screens		Receiver card parameters			Select I	the scan mode	<
	e configuration	Module size	Chip type	Row decode	mode	Scan mode	Select modules
		24W X 12H	ICN20385	138		1/3	
	ard configuratio	n Color channel	Data Polarity	OE Polarity		Module cascade direction	Load from file
Screen	1 ceiver card para	R - G - B 💌	Positive	• Low	-	From right to left	Smart scan
Firmware n	ceiver card con		l load Recommend 96	led height <=384	∏ Sup	ver-large load 192*1024 256	*768 384*512
	er card firmware	Performance settings		201			
- 🖠 Multi fu	unction card firm	Display Mode	Brightness r		Gray so	ale	Visual refresh rate
		Brightness priority 💌	Normally br	right 🗾	4096	<b>_</b>	1920 -
		Shift clock	Duty ratio		Row bla	anking time	Accelerate rate
		17.86 •	57.1%	-	120	•	110
		No signal	Clock phase		Data gr	oup	Frame rate
		Last frame 💌	0	•	Norma	· 💽	60 Hz
		Brightness	Minimum OE	£			
		88.80%	69		∏ Dou	uble latch	
	1						
Load param		Gamma (▼ 2.8 🛨  ▼ One	e from gray 🥅 Bright moo	de C Advance	Red		Blue
Save as para	n Parameters	Restore default paramet	ers More	setting 👻	Load	to receiver card	Save to receiver card

2. Pls select the module brand and classify and the scan file then click OK ,then upload to the receiver card will be ok.

Software also support cloud download, if saved the exist configuration file before , then only click the synchronize module from network will be OK to find the scan mode.

1odule brand / Scan list	Classification	Module list
Module brand	Default group	P1.875_ICN2053BP_TC7258_325_128x64
Leyard		P2_ICND20385_TC9758_205_160×80
Inilumin		D2_ICN2053BP_ICN2012_205_160x80
KGD	2.45 C	D2_ICND20385_ICN2012_205_160×80
AILIANG		P2.5_SM162075_ICN2012_325_64×64
(iangLi		P2.5_SM162075_SM5166_325_64×64
ГееНо		P2.5_ICN2037BP_TC7258_325_128×64
HOOZOE OPTO		D2.5_5M162075_TC7258EN_325_64×64
Scree		P3_5M162075_ICN2012_325_64 ×64
HuaXia		P3_5M162075_MW4958_325_64×64
loyal Display		P3_FM6124_TC7258EN_325_64×64
HELILAI		D3_ICN2153_ICN2012_135_104 ×52
ight <del>Color</del>		D0_5M16207D5_TC7250_105_101x52
latress		P4_FM6124_TC7258EN_325_64×64
Watson		P4_FM6124_TC7258_165_64×32
Ainiya		P4_FM6124_TC7258_325_64x64
HUACAI		P4_SM160165_165_64×32
Scan list	~	P4_ICN2037BP_ICN2012_325_64x64

### **Receive card parameters setup**

In the receiver card parameters interface, as shown in picture ,can setup the module parameters and performance setting.

Module size	Thip type	Row decode	mode	Scan mode	Select modules
24W X 12H	5M16237DS	138		1/3	
Color channel	Data Polarity OE Polarity			Module cascade direction	Load from file
R-G-B 💌	Positive 💌	Low	-	From right to left 📃	Smart scan
eceiver card recommended load	ŀ				
Recommended width	Recommende	d height			
128 <=378	96	<=384	🕅 Sup	per-large load 192*1024 256*	*768 384*512
erformance settings					
Display Mode	Brightness mo	ode	Gray so	ale	Visual refresh rate
Refresh rate priority 💌	Normally brig	ht 💌	4096		1920 💌
Shift clock	Duty ratio		Row bla	anking time	Accelerate rate
17.86 💌	57.1%	<b>_</b>	20	<b>÷</b>	16 💌
No signal	Clock phase		Data gr	roup	Frame rate
Last frame 💽	0	•	Norma	l 🚽	60 Hz
Brightness	Minimum OE				
91.83%	77		🔽 Dou	uble latch	
amma			White	balance adjustment Green	Blue
	n gray 🥅 Bright mode	C Advance		100 🔹 % 🛛 100 🚽	♥% <u>100</u> ♥%
Restore default parameters	More se		أرجعنا	to receiver card	Save to receiver card

#### 1. Module parameters

after select the module ,can set the parameters:

- Color channel:set as R-G-B、R-B-G、G-R-B、G-B-R、B-R-G、B-G-R。
- Data polarity: negative and positive ,when select the negative ,the screen will display as white
- OE: High and low polarity
- Module cascade direction: the receiver card connection direction ,from right to left and from left to right,from up to down ,from down to up

#### 2. Smart scan

#### Step 1

" smart scan configuration: click the "smart scan" after confirm the smart scan can connect with the first sending card ,then click "OK"



Click "smart scan configuration" to the smart setup wizard-1 and set the parameters like

#### below:

display

- Screen type: full color and single/double color.
- Module width: users can input module width by themselves according to the total number of points in a row of LED screens .
- Chip model: the default is universal chip, or specific LED chip .
- Line decoding methods: no decoding, 138 decoding, 74HC595 decoding, RT5958 decoding, SM5266P decoding, 9739 /9736 /9737 /9735 , ICND2018 decoding, usually choose 138 decoding.
- Empty points: when using the empty points screen, you can enter several empty points.
- Module cascade direction: the connection direction of receiving card is divided into right to left, left to right, top down and bottom up.
- After setting, click "next".

#### Step 2

Go to the smart setup wizard-2

Smart setup wiza	ird-2		×
	ly changes one time ( choose right answer	every 4 seconds, ob	serve the LED module
Display status State	: 1 display black, stat	e 2 display white	•
	Previous step	Next step	Cancel
			- 15 

Click on the "1", first check the LED screen is black or white, then click on the "2" to check the LED screen is black or white, if users want to carefully observe the change of the screen, can check the interface at the top of the "state automatically change, will change every 4 seconds time, observe the LED module, choose the right answer in the display status."Then select the screen's changed state from the display state drop-down list and click next.

#### Step 3

First click "1" to see the brightness of LED screen, and then click "2" to see the brightness of LED screen. If the user wants to carefully observe the changes of the screen, he/she can check the "automatic state change, which will change every 4 seconds, observe the LED module, and select the correct answer in the display state. Then select the screen's changed state from the display status drop-down list and click next.

Smart setup wiz	ard-3		×
Screen changes			
	ally changes one time ( choose right answer	every 4 seconds, o	bserve the LED module
C 1 @ 2			
Display status Stat	e 1 to 2 low brightnes	s	<u> </u>
	1		1
	Previous step	Next step	Cancel

#### Step 4

First click on the "display status 1", to check the color of the LED screen, and choose the right colors, then click on "display status 2" again to see the color of the LED screen, and select the right color, and so on, all the four kinds of color change to choose, if the user want to observe the change of the screen, you can check the interface at the top of the "status automatically change,

will change every 4 seconds at a time, and observe the LED module, choose the right answer in the display status."Click "next".

changes one time every 4 seconds, observe the Li noose right answer	ED module
Red	-
Green	_
Blue	-
Black	-
Previous step Next step Canc	a 1
	Red Green Blue Black

#### Step 5

Check the lines of the screen light, then click "next step"

Sm	art setup wizard-5			×
Screen	changes			
Screer	n lights up the number	of rows		
	16 🜩			
	Previous step	Next step	Cancel	

#### Step 6

Check the lines of the screen light, then click "next step"

Sm	art setup wizard-6			×
	n changes n lights up the number 1 🚖	of rows		
	Previous step	Next step	Cancel	

#### Step 7

According to the light on the LED screen, click the small grid in the corresponding position on the interface until all the points light on the screen are clicked again, and then "scan Settings" can be completed, as shown in the figure below.Click "ok", the system will pop up the recommended scanning mode, and the user can save the scanning mode to complete the intelligent scanning.

			Back	Reset	
225 226 227 228 229 230 231 233	8 8 9 1 6 3 Prompt 10 10 10 10 10 10 10 10 10 10 10 10 10 1				

1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16           1         2         3         4         5         6         7         8         9         10         11         12         13         14         15         16           1         12         3         4         5         6         7         8         9         10         11         12         13         14         15         16           10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10	
1       8       1       2       2       2       2       2       2       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3       3	
3       4       5       6       7       8       3       4       4       4       6       6       7       8         49       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5       5	2 23 24 25 26 27 28 29 30 31 32
49       50       52       53       55       55       55       55       55       55       55       55       55       55       55       55       55       55       55       55       55       55       55       55       55       55       57       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       77       76       76       77       76       76       77       76       76       77       76       76       77       76       76       76       77       76       76       76 <td< th=""><th></th></td<>	
6       6       6       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       7       8       Save as scan mode       ×         1       8       8       8       8       8       9       8       9       8       9       8       9       8       9       8       9       8       9       8       9       8       9       8       9       8       9       8       9       8       9       8       9       8       9       8       9       8       9       8       9       8       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9       9	
1       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	
19       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11       11 <td< td=""><td>save as scall mode</td></td<>	save as scall mode
13 114 115 116 117 118 119 120 121 122 123 124 125 126 1 configuration select and load this scan mode) 2 10 13 122 13 134 135 135 137 134 134 144 1 2 10 color, 16 scan, Straight 4 14 149 149 149 151 152 153 149 149 14 2 14 149 149 149 149 149 14 2 14 149 149 149 149 149 149 14 2 14 149 149 149 149 149 149 149 1 2 14 149 149 149 149 149 149 149 1 2 14 149 149 149 149 149 149 149 149 1 2 14 149 149 149 149 149 149 149 149 14 2 149 149 149 149 149 149 149 149 14 2 149 149 149 149 149 149 149 149 149 149	2 103 109 105 106 107 108 109 110 1
46       46       46       46       46       46       16       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       15       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16       16 <td< td=""><td>8 119 120 121 122 123 124 125 126 1 configuration select and load this scan mode)</td></td<>	8 119 120 121 122 123 124 125 126 1 configuration select and load this scan mode)
6 64 149 169 151 152 153 154 155 155 157 158 1 51 162 165 164 165 166 157 168 169 707 172 173 174 1 77 173 173 169 181 182 183 184 185 187 188 189 189 1 18 164 155 165 173 189 389 301 302 303 204 305 306 2 19 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324	4 135 136 137 138 139 140 141 142 1 Euleologi 16 scen Streicht
77 178 179 180 181 182 183 184 185 185 187 189 190 1 78 178 179 180 191 180 193 200 201 202 203 204 205 206 2 98 190 111 112 113 114 115 116 117 118 119 220 221 222 223 224	0 151 152 153 154 155 156 157 158 1
7/ 1/8 1/9 100 101 102 103 104 105 106 107 108 109 109 1 33 194 195 196 197 198 199 200 201 202 203 204 205 206 2 19 200 211 212 213 214 215 216 217 218 219 220 221 222 223 224	
09 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224	2 183 184 185 186 187 188 189 199 1
	8 199 200 203 202 203 204 205 206 2
41 242 243 244 245 249 249 249 251 251 252 253 254 255 255	6 247 248 249 250 251 252 253 254 255 256

#### 3. Technical parameters

**Configuration of performance parameters:** set display mode, brightness mode, grayscale level, visual refresh rate, shift clock, duty ratio, row blanking time, refresh rate, no signal, clock phase, data group, double-lock high refresh, gamma correction, white balance adjustment, etc.

ecommended width	Recommended height		
28 <=378	96 <=384	Super-large load 192*102	4 256*768 384*512
ormance settings			
isplay Mode	Brightness mode	Gray scale	Visual refresh rate
Refresh rate priority 💌	Normally bright 📃 💌	4096 💌	1920 💌
hift clock	Duty ratio	Row blanking time	Accelerate rate
17.86 💌	57.1%	20	16 💌
lo signal	Clock phase	Data group	Frame rate
Last frame 💌	0	Normal	60 Hz
rightness	Minimum OE		
91.83%	77	🔽 Double latch	
ima • 2.8 🔹 🔽 One from	n gray 🦵 Bright mode 🔹 Advance		een Blue 100 <b>€</b> % 100 € 9

• **Display mode:** default refresh rate first, can achieve a high refresh rate.phone and camera will be better, but the brightness is lower.Generally, the indoor screen does not

require high brightness, while the shooting effect requires high, choose the refresh priority mode.Brightness priority mode can achieve higher brightness, the higher the brightness, the lower the refresh rate.Or at the same refresh rate, the smaller the maximum width of the load.Generally, outdoor screen has higher requirements on brightness, so choose brightness priority mode.

- Brightness mode: normal, low and high.
- Gray level: it is divided into 4096, 8192, 16384, 32768 and 65536. The higher the selected gray level, the more delicate the screen display will be.
- Visual refresh rate: the higher this parameter, the display more stable.
- Shift clock: the larger of the shift clock, the wider of the width, but the shift clock is not unlimited, if the screen flash point means too high of the screen clock.
- Duty cycle: refers to the duty cycle of the shift clock. Changing this data can enable the scanning shift clock to work on a higher clock, which is generally set at 57.1%.
- Blanking time: use this parameter to adjust the afterglow of the scanning screen. If the afterglow is severe, the value can be increased, the shortest is 5S and the longest is 400S.You can type it yourself.
- Refresh rate: the higher the refresh rate, the higher the visual refresh rate will be, but the screen brightness will be lost.
- No signal: when the receiving card cannot receive the signal, you can choose to display the last frame of the screen or the black screen.
- Clock phase: the relative time relationship between the shift clock and the shift data, sometimes showing that the image has a dislocation or flash point, adjusting this parameter can eliminate.
- Data group: the default is normal. If you choose 20 groups of data, you need to use a special adapter HUB board.

#### 4. Gamma correction

Users can select "gamma correction" to input gamma value, and select "level 1 gray" to adjust the brightness of the receiving card.Check "bright mode" for brighter colors.

#### 5. White balance adjustment

The screen color output red, green, blue signal means white balance, when the user wants a little deeper color, can be achieved by modifying the "white balance adjustment" below the red, green, blue below the percentage value, if the value is larger then the color will be a little darker.

#### 6. Advanced configuration

In the "receive card parameters interface ,click more setup to the advanced configuration

interface like below picture:

- Wrap time: match with the row blanking time to adjust the scan afterglow of the screen
- •
- Signal polarity: high and low
- Afterglow control start and end: match with the row blanking time and change line time to adjust the scan afterglow of the screen

Advanced confi	guration	×
Wrap time 0	control signal	
Signal polarity	Afterglow control start	Afterglow control end
		OK

#### 7. Chip configuration

When select some module chip ,there will be the chip configuration list in the "advanced configuration"

#### 8. Recommend receiving card control size

User can select the recommend receive card control width and height.if C version receive card can select" support super large control size 192*1024 256*768 384*512,this is best choice for KTV ,bar,and night showing LED screen application.

#### 9. Dual latch high refresh

Use the dual latch IC calculation ,can improve the LED screen brightness and refresh rate to get a better display effect.

#### Support chip model:

#### SM16207S、SM16227、SM16237、SM16237DS、ICN2038、ICN2038S。

Adjusting "refresh rate" and "shift clock" can achieve high refresh effect.

The default "refresh rate" of the software is 16, and you can get a higher visual refresh rate by modifying the refresh rate. The default clock of the software is 15.63. After increasing the value of shift clock, the value of load width will be adjusted. After the numerical adjustment, click "load to the receiving card" in the lower right corner of the interface of "receiving card parameters" to check the display effect. If the display is not satisfactory, you can repeatedly debug the refresh

and shift clocks. When the debugging screen is satisfied, click "parameter curing".

- parameter curing: save the configuration of the best display effect to the receive card
- To the dual latch which use normal refreshment, need cancel "dual latch refresh"

mber of screens	Receiver card parameters					
▼ OK	Module parameter					
Send device configuration	Module size	Chip type	Row decode r	node	Scan mode	Select modules
All other and the second second second	24W X 12H	SM16237DS	138		1/3	
Receiver card configuration	Color channel	Data Polarity	OE Polarity		Module cascade direction	Load from file
E- Screen 1	R-G-B 🔻	Positive	Low	-	From right to left	Smart scan
- 💼 Receiver card param			-	hanne.	,	
Receiver card conne	-Receiver card recommended loa					
📤 Firmware maintenance	Recommended width	Recommende		_		
Send device firmware	128 <=378	96	<=384	Sup	er-large load 192*1024 256*7	768 384*512
	Performance settings					
	Display Mode	Brightness ma	nde	Gray so	ale	Visual refresh rate
🔤 🏦 Multi function card firmw	Refresh rate priority 💌	Normally brid		4096	<b>T</b>	1920 🔻
				1		
	Shift da <mark>c</mark> k	Duty ratio		Row bla	anking time	Accelerate rate
	17.86 💌	57.1%	-	20	÷	16 💌
	No signal	Clock phase		Data gr	oup	Frame rate
	Last frame 💌	0	-	Norma	- <u>-</u>	60 Hz
	Brightness	Minimum OE				
	91.83%	77		🔽 Dou	ible latch	
	Gamma				balance adjustment	
Load parameters file			_	Rec	l Green	Blue
- I - C1 -	• 2.8 🛨 🔽 One from the other sectors of the ot	om gray 🥅 Bright mode	C Advanced		100 🔹 % 🛛 100 🚖	% 100 🔷 %
Save as parameters file	S					
Readback screen Parameters	Restore default parameters	More s	etting 👻	Load	to receiver card	Save to receiver card
	10			-		

## Send device firmware update

To make sure the software version of device is matching with the LedshowTV ,user can use the send device firmware update, firstly click the "send device firmware update" then click the "check send device" as shown in below:

Parameters Se	etting		- 0	×
Number of screens		Send device firmware		
1 -	ОК	Check send device		
Send device o	120000-7000-2000	Search 1 send cards! Controller type: BX-VS , Version: V18050912 , Number: 1, Status: Normal, Receiver card brand: BX		
E- Receiver card	rconinguration			
	ver card param			
	ver card conne			-
🗄 싎 Firmware mair	ntenance		Check	
🟦 Send devi	ice firmware	Update send device firmware		
Receiver	card firmware	Firmware name		2
🛄 📩 👔 Multi func	tion card firmw			
		Controller type Version Create time		
			Update	
<	>			
Load paramete	ers file			
Save as parame	eters file			
Readback screen P	Parameters			
Check send device fir	mware( Send c	ard 1 ) successfully!		

### **Receiver card firmware**

To ensure that receiving card in the same software version and matching LedshowTV software, firmware upgrade will receive card, first click on the "receiver card firmware ", then click on "receiver card firmware" at the bottom of the "check" button, connect the receiving card to find out, the select receiving card to update, as shown in below:

Parameters Setting									<u> </u>		×
Number of screens	Receiver ca	ard firmware	•								
1 <b>•</b> OK	Update rec	eiver card f	irmware								_
····· Send device configuration	Number	M All	Controller type	Version	Subversion	Function	Send	Net port	Receiver	Status	Loc
E- 🚾 Receiver card configuration	1		BX-V75 Rev A	V17113003	0	00	1	1	1	Normal	C
Screen 1											
Receiver card param											
Receiver card conne											
E 🖆 Firmware maintenance											
🚽 🛨 Send device firmware											
👔 Multi function card firmw											
	<										>
	Firmware	name						Check	Updal	e	
	1						-				
< >											
Load parameters file											
Save as parameters file											
Readback screen Parameters											
Check receiver card successfully!											

. After send device firmware update then click the again to update the device firmware

## Multi-function card firmware update

Click "multi-function card firmware ", then click on the "check"button to find out multi-function card , then click in the firmware name and click update to make update the multi-function card firmware:

Parameters Setting		- 0	×
Number of screens           I         OK           Send device configuration           End Gevice configuration           Screen 1           End Receiver card param			
Receiver card conne		Check	
1 Send device firmware 1 Receiver card firmware 1 Multi function card firmw	Update multi function card firmware  Firmware name Controller type Version Create time	Update	
Load parameters file			
Save as parameters file Readback screen Parameters			
Did not search the multi function card	, di		

## OVP configuration

1. Click "setup"  $\rightarrow$  "video processor" then to set up more about the parameters.



 Also can open the "OVP configuration" from setup--" screen options" --" send device configuration" --" configuration" → "OVP configuration"

Number of screens       Send device selection         I I I I G MARK       Gigabit ethernet         Send device configuration       Gigabit ethernet         Send device configuration       Image: Screen 1         Image: Receiver card configuration       Serial port         Serial port       Image: Screen 1         Image: Receiver card configuration       Serial port         Image: Receiver card configuration       Serial port         Image: Receiver card configuration       Search send/receiver card         Image: Receiver card configuration       Image: Receiver card configuration         Image: Receiver card configuration       Serial port         Image: Receiver card configuration       Image: Receiver card configuration         Image: Receiver card configuration       Image: Receiver card configuration	
Firmware maintenance     Send card 1(BX-V5)     The parameters of the send card for the last saved parameter in     Send card configuration     OVP configuration     OVP configuration	
Custom network port output Send card 1(BX-V5) Right shift Down shift 0 - 0 - Port 1 X Y Width Height 0 - 0 - 384 - 1440 - 384 -	Ţ
Load parameters file	
Save as parameters file Load to send card	
Readback screen Parameters C Automatic distribution network port output  C Custom network port output	

In the configuration interface ,click" connect device" to select the communication mode as follow;

🖪 Video processor	r - OVP-M	14D					
🛤 Connect device	👜 Advanc	ed setting 👻					
	Image Signa Input	e: 1 I source: DVI resolution: No	signal				LED screen parameter Width Height 1024 Refresh rate 60 Hz
			OUT1				Image 1       Image 1 parameter       Horizontal start     Vertical start       0 ◆     0 ◆       Width     Height       1024 ◆     1024 ◆
							Crop parameter       Horizontal start     Vertical start       0 ♀     0 ♀       Width     Height       1024 ♀     768 ♀
						Scale: 42%	Check parameters
	-	(	O		0	<del>.</del>	📵 Part 🔳 Black screen 📴 Freeze
HDMI1	HDMI2	DVI	EXT	VGA	cv	USB	·•••
							Save user mode
earch video processor	successfully!						

Video processor can support serial connection, network port connection and WiFi connection three modes, some of the video processor can't support the network communication and WiFi

Click "connect device", when video processor is connected successfully, the status bar prompts "video processor retrieved successfully!"Otherwise, the status bar will prompt the corresponding error message.

Device type	OVP-M4D			
	Serial port			
Serial connect	сомз 👻			
	Network			
	Realtek PCIe GBE Family Cont	roller	Ŧ	192.168.9.105
Net connect	C Direct link C Fixe	d IP mode		
Nec connecc	Device end			
	IP address	Port		
	192 . 168 . 9 . 2	5008 🌻		IP configuration
	Wireless network			
	TP-LINK Wireless USB Adapte	r #2	*	0.0.0.0
WiFi connect	Device end			
	IP address	Port		
	192 , 168 , 100 , 1	5008 🌲	ļ	WiFi configuration
	Cor			

#### 1. Serial port connection:

#### 2. NET connect

There are direct link and fixed IP mode.

**Direct link:** The computer network port is directly connected with video processor network port and communicates with UDP broadcast mode.

Select the mode of direct connection to video processor. Simply select "network card" and click "connection", and the system will automatically search the connected devices in the current connection mode.

Network		_	
Realtek PCIe GBB	EFamily Controller	•	192.168.9.105
<ul> <li>Direct link</li> </ul>	C Fixed IP mode		

- **Fixed IP mode:** The computer port and video processor port are connected to the router to communicate in TCP/IP point-to-point mode.
- Select fixed IP mode to connect video processor, and configure fixed IP address of video processor. First select "network card" → click "IP configuration" to enter the IP configuration interface.

	Network		
	Realtek PCIe GBE Family Cor	ntroller ·	✓ 192.168.9.105
Net connect	C Direct link	ed IP mode	、
	IP address	Port	X
	192 . 168 . 0 . 2	5008 🗘	IP configuration

IP configuration: support query and configuration to processor "IP address" and "port" .

- Query and retrieval: click the "network retrieval" button to query the related parameters of video processor network port.
- ◇ Configure network port parameters: enter "IP address", "subnet mask", "gateway" and "port" of video processor under "device IP configuration" → click "send" button to modify the configuration of video processor IP.Video processor and computer IP address should be in the same network segment.

	E Family Controlle 🔻 192.168.9.105
evice IP configuration	
(P address	192 , 168 , 9 , 2
õubnet mask	255 . 255 . 255 . 0
Sateway	192 . 168 . 9 . 1
Port	5008 🗘
Retrieval	Send

#### 3. WiFi connection

WiFi connection only support direct link with point-point connection mode ,connect the computer wifi to the video processor hotspot as below:



Click "WiFi connection", select "wireless network card", input the "IP address" and "port" of the WiFi hotspot on the video processor end, and click "connect", and the system will automatically search the devices connected by the current connection mode.

Note: the network segment of the wireless card must be the same as that of the video processor.

	无线网卡 TP-LINK Wireless USB Adapter #2
WIFi连接	设备端 IP地址 端口 192 、16 <mark>8 、100 、 1 5008 ↓ WiFi配</mark> 置
_	

WiFi configuration: it supports the query and configuration function of WiFi module hotspot network of video processor, the version query and upgrading function of WiFi module, and the "restart module" and "factory reset" functions of WiFi module, as shown in the below.

- Query network parameters of WiFi module: click "network retrieval" button to query network parameters related to WiFi module.
- Configure WiFi module network parameters: enter "network name (SSID)" of the hotspot to be set, choose whether to encrypt, enter password, select "wireless channel", and click "send" button to modify the WiFi hotspot configuration of video processor.
- Query version number: click "query version number" to query the firmware program information of WIFI module.

Wireless network	TP-LINK Wireless USB Adapt	er #2
	AP configuration	
<b></b>	SSID(OVP-WiFi-C1)	OVP-WiFi-M4D
WiFi configuration	Secret	OPEN 👻
	Password	
(U) Restart module	Channel	2412MHz(Channel 1) 🔹
S Factory reset	IP address	192 . 168 . 100 . 1
	Port	5008 🗘
	Retrieval	Send
		eck version

## Video processor parameters setup

#### 1. Check parameters

Click the Check parameters button, the status will prompt the "check video processor parameter successfully!" then the software can readback the current video processor parameters.

#### 2. LED screen parameter

LED screen height and width can be set. After setting, click "load" to send the configuration information to the corresponding output port of LED screen to take effect, as shown in the figure

below.

Horizontal start	Vertical start
0 🗘	0 🗘
Vidth	Height
1024 🗘	1024 🗘

#### 3. Image edit

• adjust the image size

In the image 1,select the out1 ,then can adjustment the size ,click the out1 to move to the out position.

🛤 Connect device	💩 Advanced setting 👻	
	Image: 1 Signal source: DVI Input resolution: No signal	
	OUT1	
		Scale: 42

#### • Image parameters adjustment

When screen state is turned on, you can input screen width, height, horizontal start, vertical start and other parameters under "screen parameters".

In addition to manually input values to adjust the screen parameters, users can also directly drag the screen by selecting the screen, pulling the small squares around the screen to adjust the screen size.

Screen width: the adjustment range is  $120 \sim$  the maximum number of points can be set in the horizontal direction

Screen height: adjustment range 68 ~ vertical direction can set the maximum number of

points

Screen horizontal start: the minimum value is 0, and the maximum value is set as the maximum number of horizontal points minus the horizontal width

Vertical start: the minimum value is 0, and the maximum value is the maximum number of vertical points minus the vertical height

hage 1 parameter	
Horizontal start	Vertical start
0 🗘	0 🗘
Width	Height
1024 🗘	1024 🗘

• Crop parameters

Image capture is the ability to scale the output by intercepting parts of the input signal source. The parameters of image capture can also be modified by setting the parameters and

dragging the schematic screen.Click start the capture function, modify the parameters like below:

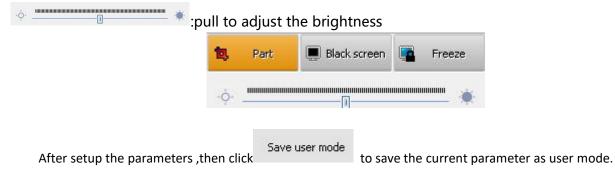
Frop parameter Horizontal start	Vertical start	
0 🗘	0 🗘	
Width	Height	
1024 🗘	768 🗘	

Image output control

Pert : click this button to open or close the image capture function

Black screen : click this button to open or close the black screen function.when select the "black screen" then Screen will be black

Freeze : click this button to open or close the freeze function ,when open this function, then the image will be freeze.



#### 4. Signal source

Take the OVP-M1X signal source as an example:



**HDMI1**: Digital hd signal input port 1, can simultaneously computer video and audio signals to the display, support digital video and audio.

**HDMI2**: Digital hd signal input port 2, can simultaneously computer video and audio signals to the display, support digital video and audio.

**DVI**: Computer digital signal input port 1, can connect the computer and monitor, only support video input.

**VGA**: Computer analog signal input port, mainly used for old computer output, only support video input.

**CV:** PAL\NTS Ccomposite video signal input port.

**USB:** USB insert port

• USB display

First, insert the U disk with playing content (video or picture) into the USB interface of the front panel, and then click "USB" in the input signal source list to switch to the U disk playing interface. At this time, the system will automatically play according to previous memory (or default Settings), and pop up the following U disk playing interface:

💵 Video pro	ocessor - OVP-L2X	[Stop play: Vi	deo]						
🕶 Connect o	device 🏾 💩 Advanced s	etting 👻							
🚵 Video File lis	t 🔙 Picture file list								
Number	File name								
<b>-&gt;</b> 🏠 1	ring_1080p_3M-1								
<b>2</b>	三星4k演示片_超	青.mp4							
				14		<b>⊳</b> I		<u>ت</u>	÷
				1530-005		1.7			
USB mode has the USB mode I	been turned on and the s first!	creen parameters ca	innot be manipu	lated at this	time. To mo	dity other pa	rameters, pl	ease turn c	110
	(	(******		F	<b>a</b> :				
			-	e					
HDMI	DVI	VGA	CV		USB				

The interface have the video list and picture list ,select the file type to display the file as below:

🔗 Video file li	st 🔚 Picture file list	会 Video file li	st 🔚 Picture file list	
Number	File name	Number	File name	
-> 🏠 1	ring_1080p_3M-1.mp4	<b>—</b> 1	蓝色的海.jpg	
<b>2</b>	三星4k演示片超清.mp4	<b>E</b> 2	高山.jpg	

#### Mark:

(1) the playback contents on the usb flash drive must be stored in the root directory of the usb flash drive. If you want to order the playback files, you can change the name of the file and add the Arabic Numbers 1, 2, 3 before the original file name.You can;

(2) video file format supported by the system:

HEVC(h. 265), MPEG2, GAAC, Miracast, MPEG2, MPEG4_HD, MPEG4, RM, MVC, VP9, DD, MPEG4_SD, h. 264, VC1, VP8, FLV

Supported image file formats: JPG, BMP, PNG

(3) all supported files copied in the usb flash drive will be displayed when viewing the file list. If it is not displayed, it means that the file is not supported to play.

#### 5. Backup

Video processor support any two channel of input signal source backup mode:

imag Sign Inpu	ge: 1 al source t resolutic	e: HDI on: No	■ VII o signal				
			Freeze	•			
			Hotspare	•	•	None	
			Test pattern	٠		HDMI	
			Full screen			DVI	
			Close image			VGA	

Select the screen that needs to be hot backup, put the mouse on the painting surface, click the right mouse button, click the drop-down list of "hot backup" and select an option of input signal source for hot backup to set the hot backup mode of video processor. Select "none" to turn off hot backup on video processors.

#### 6. Test picture

Video processor support 8 kinds of test pictures display output mode:

image: 1 Signal source Input resolutio	: HDMI n: No signal		
	Freeze Hotspare	•	
	Test pattern	•	Close
	Full screen	_	Pattern 1
	Close image	_	Pattern 2
			Pattern 3 Pattern 4
			Pattern 4 Pattern 5
			Pattern 6
			Pattern 7
			Pattern 8

- **Close the test picture:**, Put the mouse on the screen, click the right mouse button, select "test diagram" and click "close", that is, close the test diagram mode, and video processor synchronously outputs the signal source image.
- **Open the test picture:** Put the mouse over the screen, click the right mouse button, and select "test diagram" to select a test diagram type. That is, open the test diagram mode, and video processor will output the corresponding test diagram on the LED screen.

#### 7. Full screen

Select the screen that needs to be full screen, put the mouse on the painting surface, click the right mouse button, and click "full screen" to display the whole screen on the LED screen.

## Video processor advanced configuration

#### 1. Effect configuration

The effect setting function is divided into the Settings of image effect, color temperature and sound effect, as shown in the figure below.

Brightness	50 🗘
5harpness —	_ 2 🗘
Contrast	50 \$
Saturation	50 🗘
Dynamic contrast	1 🗘
Color temperature	
Color temperature type	Nature 🚽 🔫
Red	50 🌲
	- 50 Ĉ
Green	

• Image quality:

Select the advanced configuration" image quality" can change the brightness ,sharpness ,contrast ,saturation dynamic contrast parameters.

- Brightness: adjust the brightness of the screen, which can be adjusted within the range of 0~100. 0 is the darkest and 100 is the full brightness.
- > Sharpness: the sharpness of the screen can be adjusted from 0 to 10.
- Contrast: adjust the contrast of the screen, which can be adjusted within the range of 0~100.
- Saturation: adjust the saturation of the screen, which can be adjusted in the range of 0~100.
- Dynamic contrast: adjust the dynamic contrast of the screen, which can be adjusted within the range of 0~4.
- Color temperature

Select the "effect setup" --" color temperature" to modify the parameters as below

Color ten	perature type	Nature	
		,	
Red	·V	50	4
Green		50	
Blue	<b>I</b>	50	1

#### 2. Sound setting

Select "advanced configuration--" sound setting" to open or close the sound effect and adjust the volume"

Audio effect		
Audio status	Open	•
Volume		÷

#### 3. Device output control

Select the Advanced setting --" device output control" and select the open ,then the image will display on the screen ,if close then not display.

#### 4. pixel to pixel output

Select the Advanced setting --" pixel to pixel output" and select the open ,When the playing screen exceeds or is smaller than the resolution of LED screen, the playing screen will not be compressed or stretched

#### 5. Picture playback time

Select the Advanced setting -- " Picture playback time" open and set the picture playback time.

#### 6. Input resolution

Select "input resolution" under "advanced Settings" to set the resolution of input signal source for video processor. The following is an example of ovp-m1x video processor to introduce the Settings of input signal source.

Select the drop-down list after "EDID signal source" to select the input signal source. Set "EDID parameter" according to different input signal sources.

EDID signal source	HDMI 🔫
EDID parameter	
Width	1920 🌲
Height	1080 🗘
Frequency	60 Hz
	Load

#### HDMI and DVI signal source:

- Width: Adjust the width of the input signal source to a maximum width of 1920
- Height: Adjust the height of the input signal source to a maximum width of 1080
- Frequency: default is 60Hz

#### 7. VGA setting

VGA setting	
/GA adjustment	
VGA automatic adjustment	Auto adjust
VGA horizontal start	0 🗘
	0 1
VGA vertical start	
/GA vertical start Tip: VGA adjustment is valid onl mage!	1. · · ·

- VGA automatic adjustment: when the VGA input signal shows an offset on the screen, the screen position can be corrected by clicking "automatic adjustment" to realize the normal display of VGA signal on the screen. If automatic adjustment is not effective, you can manually adjust the screen "horizontal start" and "vertical start" adjustment.
- VGA horizontal start: adjust the horizontal start position of VGA input signal, and adjust the range from 0 to 300.
- VGA vertical start: adjust the vertical start position of VGA input signal, and adjust the range from 0 to 300.
- **ADC correction:** when the picture of the input signal source of VGA is dark, "VGA correction" can be performed, and it will be corrected in the factory.

#### 8. CV ADC correction

In the advanced setting -select the "CV ADC correction" to make DV ADC correction.

9. Timing

In the advanced setting -select the "Time correction" to make time correction with the time chip of the video processor.

#### 10. Task list

Select "task list" under "advanced Settings". Through the plan task function, you can add the screen processing tasks that need to be completed by video processor to the task list, reducing manual repetitive operation, and the screen can be played at the set time. In the task list, you can perform such operations as time correction, adding plan task, readback plan task and setting plan task, as shown in the figure below.

				Add	Edit	Delete
Numbe	E-time	Cycle	Status	Task content		
1	17:36:08	Single: 2019/7/8	Close	Device output control:Clo	se	
2	17:37:25	Per day	Open	Device output control:Op	en	
3	17:38:40	Per week: Mon	Open	Device output control:Clo	se	
4	17:39:52	Per month: 8 Day	Open	Device output control:Op	en	

#### • Add task schedule

Click the "add" button.Add a new scheduled task, and you can set the task number, task status on or off, repeat period, date, task type, mode selection, as shown in the figure below.

Task number	5	
Task status	Open	•
Repeat cycle	Single	•
Date	2019/07/29	•
Time	13:41:46	<u>.</u>
🗖 Monday	🕅 Tuesday	
🖵 Wednesday	🦵 Thursday	
🗖 Friday	🗖 Saturday	
🖵 Sunday		
Task mode	Mode switch	•
Mode selection	User mode 1	•
ОК	Cancel	

- Task status: select" open" to open the task ,select" close" to close the task
  - Repeat cycle: select single/ each day/each week/each month
- > Task mode: select the task mode ,mode switch and device output control
  - $\diamond$   $\;$  mode switch: select it and select the user mode as the switch mode
  - Device output control:select it and select" open" or close "in the "video output " list"

After setup the parameters then click OK.

#### **11. Export configuration**

Select the "advanced setting" can export the current mode parameters to the computer.

#### 12. Import configuration

Select the "advanced setting" can import the current mode parameters to the computer.

#### 13. Load the configuration parameters

After performing the import configuration operation or modifying the parameters of several different functions, select "load configuration parameters" under "advanced Settings" to complete the modification of the related parameters of the current mode of video processor.

#### 14. LCD menu

Select "LCD menu language" under "advanced Settings", the LCD menu interface currently

supports the switching function of English and simplified Chinese.

#### 15. Factory reset

Select the factory reset in the "advanced settings" then can reset the screen parameters to factory status.

#### 16. Boot LOGO

Select "boot LOGO" under "advanced Settings" and choose "default", "custom" or "no LOGO".Users can choose their favorite picture as video processor boot LOGO through "customization", the size of the picture is suggested to be 320*240.If "no LOGO" is selected, video processor will not display any content when starting up and the screen will be black. After setting parameters, click "load" to set the selected screen.

#### 17. Device firmware update

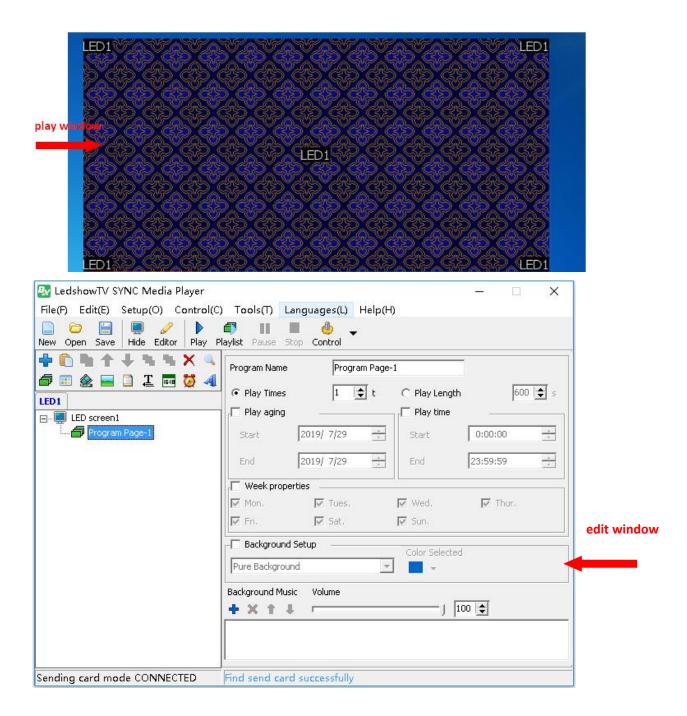
Select "device firmware upgrade" under "advanced Settings" and click "query version number" to find the current version of video processor, as shown in the figure below.Click the icon after "firmware name", select the corresponding upgrade program in the pop-up dialog box, and finally click "update" to complete the update of video processor program.

Device firmware upgrade		>
Firmware name		
ļ.	17	
Controller type		
Version		
Create time		
Check version	Update	

# SOFTWARE INSTRUCTIONS

# **Interface instructions**

Start the software will see the software interface as shown in the picture 27 ,mainly is :play window and edit window.



#### 1. Play window

Play window is the computer synchronous display window to the LED screen

Put the mouse on the playing window, right click, you can see the quick operation function of multiple play Windows, as shown in picture



- Window hierarchy: interface of the play window can be set as the top or bottom.
- Window location: the position of the window can be set to the middle place, horizontal center, vertical center, placed on the left, on the right, place up or down.
- Window size: the window size can be set to full screen, horizontal full screen, horizontal 1/2, horizontal1/3, horizontal 1/4, vertical full-screen, vertical 1/2, vertical vertical 1/3, vertical 1/4.
- Split screen Settings: display screen can be divided into many screens, as shown in picture 22.Choose the split screen number firstly, and then set the split screen starting point of X, Y, width, height, and then click "modify", users can also check according to the circumstance "when playing choose folding screen", then click "save".
- Control panel: when playing program , if users need to suspend program, stop, or other related operations, due to the top-level window sometimes is placed at the top of the computer interface, the operation of the software control panel is blocked by playing window completely, now you just need to put the mouse on the play window click the right mouse button and select "control panel" can bring up the software of the control panel.

.eft 0			dth	Height 384 🚖	Left	Top 0 🚖	Width	Modify Height 384
1	1	Source Top		Source	Dest Left	Dest Top	Dest Width	1
0 0		0	256	384	0	0	256	384
1 25	56	0	256	384	0	384	256	384

Picture 29

#### 2. Edit window

There are Menu bar, Main Toolbar, Edit Programs Toolbar, Add Programs Toolbar, Program Tree area, Attributes bar and Status bar in the edit window.

### **Program structure**

LedshowTV program tree area is consisted by LED screen ,program and files area as shown in the picture

Image: Decomposition           Image: Decomposition       <	Height 480
Picture-1 IB-12-1.jpg Enter style Direct show Run Speed 3	
Hold time(0.5 10 Display Effect Stretch	5s)

• LED screen: LED screen is the full color screen which users use ,each screen is coordinate, can add multi programs to each LED screen.

• Program page: each program is coordinate and play by order.as shown in the picture

Program Name	Program P	age-1		
Play Times	1 韋 t	C Play Length	600	s
🦵 Play aging		Play time		
Start	2019/ 7/29	Start	0:00:00	±
End	2019/ 7/29	End	23:59:59	- <u>n</u>
Week proper	rties			
🔽 Mon.	🔽 Tues.	🔽 Wed.	🔽 Thur,	
🔽 Fri,	🔽 Sat.	🔽 Sun,		
Background		Color Selected		
' Background Musi		[ii	00 🔷	

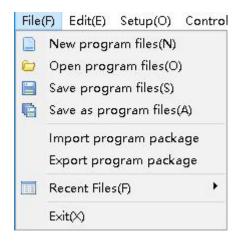
• Files window: file area is the program partition window which decide the program arrangement and overlay level. Each file is coordinate and play at same time.as shown below:

Name	Border	Alpha		
Picture-1	None 💌	- 100	-	
Left	Тор	Width		Height
0	; 0	\$ 512	\$	480
+ + + X	F			
18-12-1.jpg			Enter sty	le
			Direct sh	iow 💌
			Run Spee	ed
			3	•
			Hold time	(0.5s)
			10	\$
			Display E	ffect
			Stretch	▼ ☐ Auto update

# Menu and tools

1. Menu		
🛃 LedshowTV SYNC Media Player		X
File(F) Edit(E) Setup(O) Control(C) Tools(T) Languages(L) Help(H)		
📄 🗁 🔚 💭 🥒 📭 💷 🖷 🎍 🗸		
New Open Save Hide Editor Play Playlist Pause Stop Control		

1) Files menu



2) Edit menu

Edit	(E) Setup(O) Control(C) Tools
6	Add Program Page
	Add File Window
	Add Video Window
	Add Picture Window
	Add Text Window
Ţ	Add Subtitle Window
₽Ţ	Add Vertical Subtitle Window
▦	Add Table Window
4	Add Art Text Window
16:18	Add Date Time Window
Ø	Add Timer Window
Ĭ	Add Video Card Window
*))	Add Sensor Window
₿	Add Database Window
T	Add Flash Word Window
0	Add Weather Window
	Add CopyArea Window
×	Delete

Edit area functions is shown in the picture

3) Setup menu



- Screen options: set the screen parameters including the sending card configuration ,receiver device configuration ,scan mode configuration ,display parameter configuration ,configuration parameters import/export and controller firmware update and so on.
- ♦ Sensor options: set the relay power on&off and sensor alarm value.
- Video processor: set the OVP parameters ,including the serial port,user mode ,configuration parameters configuration ,main source options ,PIP source

setting ,input ,output setting , PIP setting,effect setting, screenshot setting ,other setting ,firmware update .

- Software options: play window parameters setting ,top display, automatically start software after power on.
- ♦ Background play: this function should use the screen extension mode.
- ♦ User management: encryption software and classification operation.
- 4) Control menu



- ♦ Screen brightness: adjust the screen brightness
- ♦ lock current screen: lock the current display of the screen
- ♦ Unlock the current screen: unlock the current display of the screen
- ♦ Software timing power: set screen power on&off time.
- ♦ Software power on: sending power on screen command
- ♦ Software power off: sending power off screen command.
- ♦ Notification management: set publish notification management.
- 5) Tool menu

Too	(T)alo	Languages(L)	H
2+	Mou	se Position	
2	Chec	k Color	
٥,	Cap9	Screen Gigabit	
	Test	(D)	•
	Scre	en Monitor on	
	Desk	top Monitor	•

- ♦ mouse position: check some point of computer coordinate
- ♦ Check color: check some point of computer player RGB value.

- ♦ Capscreen Gigabit: in the Gigabit communication mode ,used for synchronization for zoom display area of computer display content, support zoom function.
- ♦ PowerPoint play: play the powerPoint file.
- ♦ test: test the LED screen line and color
- Screen monitor on: user can check all LED display program through screen monitor function.
- 6) Language menu

Finish software installation can change software language ,support Chinese ,simple Chinese ,English,Russia ,Turkish language.

7) Help menu

Check software version and user manual ,also the environmental check function . the software version support update online.

Version		×
Product Information		
Name: LedshowTV SYNC	Media Player	
Main Version: 19.7.9.0		
Config Version: 19.7.17.0	0	
Install Update		
[		
, Memory Available to Windo	ows: 2,097,151 KB	
Microsoft Windows 10 专业	上版,10.0.17134	
	Update	

Environment test function support operating system ,CPU ,system IP configuration and other functions, as shown in the picture

🥝 Operating System	Windows 10 x64 6.3 Build 17134	
🕗 CPU	Intel(R) Pentium(R) CPU G630 @ 2.7	
🥑 System IP	192.168.9.105	
🤣 WinPcap tool	already install	
🥝 Serial driver	already install	
🤣 Compatibility Pack	already install	
🤣 PPTView player	already install	
🕗 firewall	already start	close
Physical Memory	3.92 GB	
audio driver	not install	
🕗 network card	regular	
OirectX	DirectX 12	
lick one line show dital!		

#### 2. Mainly menu

This part function as shown in the picture 41

	0			0		<b>a</b> y	11		٩	•
Nev	v Open	Save	Hide	Editor	Play	Playlist	Pause	Stop	Control	

1) Edit program list



From left to right:

- ♦ New program: add program in the selected play window.
- ♦ Copy : copy selected program and all below contents
- ♦ paste: paste the copy program
- ♦ Move up: move the selected program to the up order.
- ♦ Move down: move the selected program to the down order
- ♦ Up layer: move the selected area to the up layer
- ♦ Bottom layer: move the selected area to the bottom layer
- ♦ delete: delete selected item and the below contents
- ♦ check: check all specified word program
- 2) program shortcut add tools



From left to right:

- ♦ Program window: add program window
- ♦ File window: add file window
- ♦ Video window: add video window
- ♦ Picture window: add picture window
- ♦ Text window: add text window
- ♦ Subtitle window: add subtitle window
- ♦ Date/time window: add date/time window
- ♦ Timer window:
- ♦ Art text window: add art text area

# PROGRAM EDIT INSTRUCTIONS

## Add new program

1. Add program

Click *Click*, or click then turn out the "add new program" menu.

💠 🗈 🐂	Ŧ	$\mathbf{+}$	16	1	×	0
New Progr	am		Ţ	15:18	Ø	4

after add new program ,the right interface will display program attributes, usually no need to modify ,use the default parameters is OK.

🛃 LedshowTV SYNC Media Player		- 🗆 🗙
File(F) Edit(E) Setup(O) Control(C)	Tools(T) Languages(L) Help(H)	
New Open Save Hide Editor Play Play	🗊 🔢 📕 🎂 🚽 aylist Pause Stop Control	
	Program Name Program Page-1	
LED1	Play Times 1 1 t C Play Length	600 🚖 s
E- LED screen1	Play aging Play time	
Program Page-1	Start 2019/ 7/29 🔆 Start	0:00:00
1000	End 2019/ 7/29 📩 End	23:59:59
	Week properties	
	Mon. 🔽 Tues. 🔽 Wed.	🔽 Thur.
	🔽 Fri. 🔽 Sat. 🔽 Sun.	
	Background Setup Color Selected	
	Pure Background	
	Background Music Volume	00
Sending card mode CONNECTED	Find send card successfully	Pi

As shown in picture:

• File window: support video, picture, text、txt、word、excel、ppt、flash、gif etc. (when playing the txt in the file window, if user modify the txt, support the text dynamic refresh)

- Video window: support and display all kinds of video format.
- Picture window: support and display all kinds of picture format.
- Text window: support and display multi-line text
- Subtitle window: support and display a single line text.
- Vertical subtitle: support and display a vertical single line text
- Table window: support add or table design

• Art text window: support add and display contour shadow format, support art background text

- Date/time window: support display dial,lunar calendar,date and time.
- Timer window: support count up ,count down
- Video card window: The signal is used in the field of video.For example: camera, camera, TV card, DVD player, etc.
- Sensor window: support temperature and humidity
- Database window: support database connection ,such as: Access、SQLite、SQL Server、MySQL、 Oracle.
- Weather window: support all over the world weather report.



2. Program attribute

Set the parameters in program attributes:

Program Name		Program Pa			
Play Times		1 🔹 t	C Play Length	600	) 🔷 s
🔲 Play aging	_		Play time		
Start	2019/ 3	7/29 🕂	Start	0:00:00	<u></u>
End	2019/ 3	7/29	End	23:59:59	<u></u>
🔲 Week prope	rties				_
🔽 Mon.	2	lues.	🔽 Wed.	🔽 Thur.	
🔽 Fri.	. √	šat.	🔽 Sun,		
🖵 Background	Setup	<u>.</u>	Color Selected		
Pure Backgrour	nd		<b>-</b>		
Background Musi	ic Volur	ne	18-		
+ X 1 4			J 10	00 🗢	

- Program name: edit program name.
- Play times: turn to next program after current program.
- Play length: turn to next program after current program
- Play aging: play the program in start and end time.
- Play time: play the program in start and end time.
- Week properties: play the program in the setting week.
- Background setup: setup the program background, set texture/gradient /picture/pure background.
- Background music: set one or more audio files as background music.
- volume: set music volume.

### **File window**

1. add file window

Click  $\clubsuit$ , add file or select the program1, then click right mouse then add file window. Also can click is to add file window. (as shown in picture 60) . After add the file window, user can add different file to display, also can modify it.

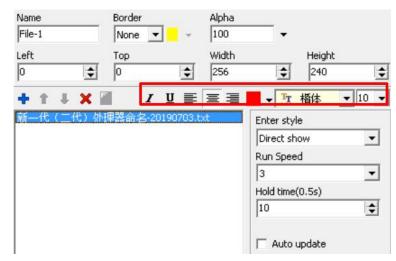
The file location can be moved by mouse.one program contain multiple file window, the file size and location can be modified as needed.

Ev LedshowTV SYNC Media Player File(F) Edit(E) Setup(O) Control(C)	Taols(T) Lang	uses(1) Help(H)	4	000		×
	aylist Pause Stop	Control				
	Name File-1 Left 0	Border None 💌 👻 Top 0	Alpha 100 Width 256	•	Height 240	¢
È ∰ Program Page-1 I ∰ File-1			P	lease Ad	ld Files	
Sending card mode CONNECTED	Find send card su	ccessfully				

Picture 60

#### 2. File window attributes

All file window have mutual attributes (as shown in picture 61).



#### **Default attributes:**

- Name: user can modify here to named different file
- Boarder : set file boarder type and color , unit is pixel
- Alpha: modify file alpha

- Rotation : rotate the file as 90°/180°/270° effect
- Left: left up of the LED screen boarder ,unit is pixel
- Top: top left of the LED screen boarder ,unit is pixel
- Width : file width ,unit is pixel
- height: file height ,unit is pixel
- Add : add play file
- Move up: move up the display file
- Move down: move down the display file
- Delete : delete the display file

#### When file format is txt ,then the file window will show as in picture 61

- Set file same attribute: set other similar file attribute as same as the current file
- Bold: set file font as bold
- Italic: set the file font as italic
- Underline: add underline to the file font
- Left aligned \centered \ right alignment: set the file text alignment to left, center or right alignment.
- Color: set file text color
- Font: set file text font format
- Font size: set file font size

## Finish program edit

Finish above steps ,please remember to save it. Click "save" -- " save program file"

## Play program

Play current program file ,click "play" or other function to select the different buttons ,if want to play different program files ,click open button to play other program files.

# **Edit program instruction**

# **Copy area display**

#### 1. Add copy area

Click the properties section button to add the display replication section to the dialog box that pops up.Or select "program page 1", click the right mouse button, and select add display replication area.

#### 2. Display copy area property

• Copy source type: use can select the source ad system desktop or current program area.as shown below:

🛃 LedshowTV SYNC Media Player				-	×
File(F) Edit(E) Setup(O) Control(C	) Tools(T) Lang	uages(L) Help(H	)		
New Open Save Hide Editor Play P	laylist Pause Stop	Control			
💠 🖺 🐂 🛧 🔸 🛰 🗙 🔍	Name	Border 🔜	Alpha		
🗗 📰 🏤 🔜 🗋 🎩 🖬 💆 🐗	CopyArea-1	None 💌 📃 👻	100	<b>*</b>	
LED1	Left	Тор	Width	Height	
ED screen1	8	8	256	240	\$
🗄 📲 Program Page-1	Copy source type		Select progr	am area	
📰 File-1	System desktop		-		-
🔤 CopyArea-1	System desktop				
	Current program are	ea	-		
	Copy source rect				
	Left	Тор	Width	Height	
	0 🔹	0	256	\$ 256	•
	Display Effect		🔽 Backgrou	ind Setup	
	Stretch	-			
	, Run Speed	_	Hold time(0.5	5s)	
	1	-	10	\$	
			4		

- Name: allows users to distinguish the names of different replication zones and can be changed by themselves.
- Starting point X: starting point X value for the location of the replication area.
- Starting Y: starting Y value for the location of the replica area.
- Width: the width value of the replication area.
- Height: the height value of the replication area.

#### 3. Copy source property

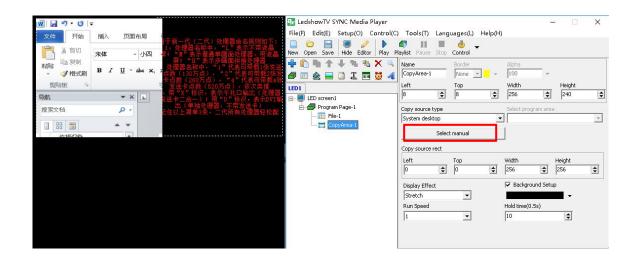
- Starting X: the starting X value in the replication area when you select system desktop as the replication source.
- Starting Y: the starting Y value in the replication area when system desktop is selected as the replication source.
- Width: the width value of the selected replication source.
- Height: the height value of the selected replication source.
- Display effect: you can choose to stretch, scale, or crop programs from the copied source.

• Background Settings: check the background Settings to select a color as the background color.

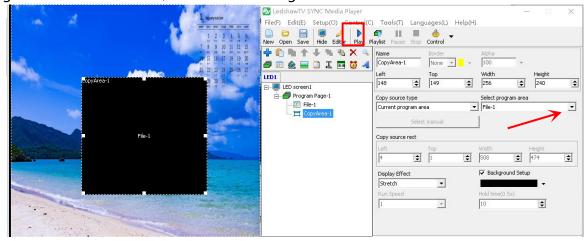
• Running speed: the playback speed can be selected from 1 to 10, with 1 being the fastest and 10 the slowest.

• Stay time: you can choose the stay time of the program.

When selecting "system desktop" as the replication source type, click the "manual selection" button at the bottom first, drag the box of the replication area to select the desktop replication source, and then double-click the right mouse button to copy the selected desktop.Or the user can select the coordinate value (X value and Y value) of the location of the copied area and the width value and height value of the copied area under the "copy source location size", and then double-click the right mouse button to complete desktop replication, showing the replication results as shown in the figure below:



When "current program area" is selected as the copy source type, drag the box of the copy area in the current program area of the playback window, select the location of the current program area that needs to be displayed, and then select the area to be copied under the "program area selection" list, as shown in the figure below:



Click display button ,the copy result will be like this :

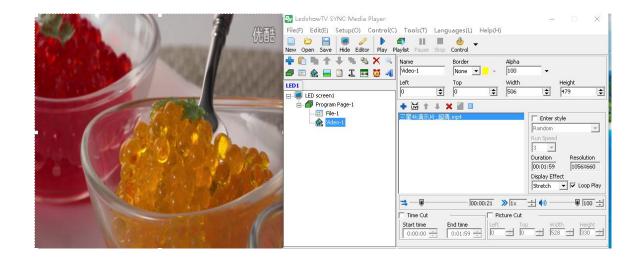


# Video window

1.add video

Click 🗣, add one or more video file.or select the program 1 then click mouse right key, then add video or use 🙆 .LedshowTV2019 support all kinds of video format: MPEG、AVI、MOV、ASF、 WMV、NAVI、3GP、MKV、FLV、VOB、RMVB、RM...

🛃 LedshowTV SYNC Media Player				- 0	×
File(F) Edit(E) Setup(O) Control(C	) Tools(T) Lang	guages(L) Help(	H)		
	Aylist Pause Stop	ا 🖕			
💠 🖺 🐂 🛧 🖡 🖏 🗙 🔍	Name	Border	Alpha		
🗗 🗉 🏤 🖬 🗋 🎞 🖬 💆 🔌	CopyArea-1	None 💌 👻	100	*	
LED1	Left	Тор	Width	Height	
ELED screen1	8 单	8	256	\$ 240	\$
Program Page-1	Copy source type		Select prog	gram area	
File-1	System desktop		-		-
🔤 CopyArea-1	System desktop				
	Current program a	rea			
	Copy source rect				
	Left	Тор	Width	Height	
	0	and the second se	256	256	\$
	Display Effect		✓ Backgro	und Setup	
	Display Effect			Contraction of the later of the	
	Stretch	•		•	
		•	Hold time(0	•	
	Stretch	-		.5s)	
	Stretch Run Speed	•	Hold time(0	•	
	Stretch Run Speed	•	Hold time(0	.5s)	



#### 2. Add media streaming

Users can add webcast streaming media. First click the button in the properties section. In the pop-up dialog box, a link to the webcast platform can be added under "media URL address", as shown in the figure below.Finally click

Media Name	Media URL		
Streaming media1	http://tv.cctv.com/live/cctv	5/	
		1	
- C	Add	Cancel	

### 3. Video attribute

modify video file attribute, with Boarder or not , Boarder color、 Alpha, rotation or not ,Left /top location,video width ,video height ,enter style,run speed,display effect ,loop play,volume,time cut and picture cut.

- Name:modify the video name
- Boarder: add single line/double line/ three line boarder to the video
- Color:select the video boarder color
- Alpha:change the video alpha from 0-100, 0 is absolutely transparent ,100 is opacity
- Rotation: rotate the video file as 180°, left 90°, right 90°.
- Left: adjust the video horizontal position
- Top:adjust the video vertical position
- Width: adjust the video file width
- Height: adjust the video file height
- Set file as same attribute: set the other similar file attribute as same as the current file
- Enter style: random,ever-changing ,3D cube,3D door,3D page roll ,3D circle stretch ,3D ripple,3D wave,3D radial blur,3D matrix ,drip ,alpha

blend ,expand,blinds,circular,diagonal,slide ,push ,direct show,slide left,slide right,slide up,slide down ,static show.

• Run speed:the run speed is from 1-5,1 is fastest

Display effect: video file display mode ,stretch and aspect,stretch is for full display in the video window,aspect is for zoom in same scale.

- Loop play:select this function ,video will loop play
- Progress : set the video speed ,maximum is 4X .
- Volume: modify the video volume from 0 to 100.
- time cut:cut a part of video source to display
- Picture cut: cut a part area of the video to display

### **Picture window**

1. Add picture

Click 💼, then add one or more pictures .or select the program 1 then click right

mouse ,then add picture ,also can use the **e** to add picture.LedshowTV2019 support all kinds of picture format ,BMP/JPG/JPEG/PNG...

E - 2	LedshowTV SYNC Media Player File(F) Edit(E) Setup(O) Control(C Dev Company Control(C) New Open Save Hide Editor Play F	🗗 II 🔳	ا ب	(H)		□ X
		Name Picture-1 Left 0	- 10 C	Alpha 100 Width 502	•	Height 480
	Picture-1	+ 1 V V	8		Enter styl Direct sh Run Spee 3 Hold time( 10 Display Ef Stretch	ow

2. Picture attribute

Here users can modify the picture enter style ,run speed and hold time ,display effect.

- Name:modify the picture name
- Boarder: make one line ,two line ,three line boarder to the picture.
- Color: choose boarder color
- Alpha:change the picture transparent from 0-100,0 is absolutely transparent,100% is opacity.
- Rotation: adjust the picture angle, rotation to 180°, left rotation 90°, right rotation 90°
- Left: adjust the picture horizon location
- Top:adjust the picture vertical location
- Width: modify picture width
- Height: modify picture height
- Set file as same attribute: set the other similar file attribute as same as the current file
- Enter style: random,ever-changing ,3D cube,3D door,3D page roll ,3D circle stretch ,3D ripple,3D wave,3D radial blur,3D matrix ,drip ,alpha

blend ,expand,blinds,circular,diagonal,slide ,push ,direct show,slide left,slide right,slide up,slide down ,static show

- Run speed:run speed is from 1-16,1 is fastest
- Hold time:picture hold time is from 1-5000 (the time span for each level is 0.5s) 。

• Display effect: picture file display mode ,stretch and aspect,cut ,stretch is for full display in the picture window,aspect is for zoom in same scale. Cut is for cut some of the picture then display in the full picture window.

### Text window

1. Add text

Click the 💼 to add one or more text ,or select the program1 then press right mouse button

to add text ,also can use ,then click is to edit text . the text parameters can be set as shown in

🛂 LedshowTV SYNC Media Player				- <u>245</u> 5		×
File(F) Edit(E) Setup(O) Control(	) Tools(T) Lang	guages(L) Help(H	ł)			
▶ Den Save Hide Editor Play	Playlist Pause Stop	ontrol				
🛉 🛍 🛉 🕂 🤫 🛰 🗙 🔍	Name	Border	Alpha			
🗇 🗉 🏡 🚘 🗋 🎩 🔤 💆 4	Text-1	None 💌 👻	100	•		
LED1	Left	Тор	Width		Height	
E- ED screen1		0	256	\$	240	\$
🚽 🕂 🗇 Program Page-1		× 🗐				
🎫 File-1	Text1			Text Na		
Text-1				Text1	me	
					an an an	
				Display : Randor		
						<u> </u>
				Run Spe	ed	
				3		-
				Hold time	e(0.5s)	1.
				10		\$
				-	alignment	
				Align Mi	iddle	
	E Background Se	tup				
					Alpha	-
	Texture Backgrou	nd 1 💌 🔣			100	
	Me	To T LIN				

picture . if finish the text edit but need modify ,then click 🖉 is OK.

- 2. Text attribute
- Text name:Used for named different text

• Boarder: set the subtitle boarder ,there is single line,double line or three line boarder ,and boarder color

- Alpha subtitle alpha from 0%-100%, 0% is absolutely transparent ,100% is opacity
- Rotation: set the rotation mode as the 180°, right rotation to 90°, left rotation to 90°
- Left: left of the LED screen location ,unit is pixel.
- Top:top of the LED screen location ,unit is pixel
- Width: file width, unit is pixel
- Height: file height ,unit is pixel
- set file as same attribute: set the other similar file attribute as same as the current file
- Display stuns: continuous moving left ,continuous moving right ,continuous moving upward ,downward ,direct show
- Run speed:run speed is from 1-8, 1 is fastest.
- Hold times: subtitle hold time (the time span for each level is 0.5s) 。
- vertical alignment: select set vertically to the up ,center, or bottom

• Background :special texture ,pure ,picture or gradient background setting, also can set transparency,the transparency value from 0%-100%,0% is absolutely transparency,100% is opacity

	🐼 LedshowTV SYNC Media Player File(F) Edit(E) Setup(O) Control(C)	Tools(T) La	anguages(L) Help(H	0	- 0	×
	New Open Save Hide Editor Play Pl	aylist Pause St	📕 🎂 🚽			
	+ C h ↑ + % % × < # :: & = : I : 0 0 4	Program Name	Program Page	-1 C Play Length	600	0 🚖 s
	LED1	F Play aging		Play time		
	Program Page-1	Start	2019/ 7/29	Start	0:00:00	
shangh onbon		End	2019/ 7/29	End	23:59:59	*
		Week proper	rties			
		Mon.	Tues.	₩ed.	🔽 Thur,	
		Fri.	🔽 Sat.	🔽 Sun.		
		- 🗖 Background	Setup	Color Selected	1	
		Pure Backgrour	nd 🔄			
		Background Musi		j [1	00 🚖	

# **Subtitle window**

1. Add subtitle

Click attribute button +, add one or more subtitl,or select the program 1 then press mouse right button to add subtitle ,also can use the  $\mathbf{I}$  to add subtitle,then set the subtitle parameters as shown in picture 61. if finish the subtitle edit, but need modify it ,only click is OK.

🛃 LedshowTV SYNC Media Player				– 🗆 X
File(F) Edit(E) Setup(O) Control(C)	i Tools(T) Langi	uages(L) Help(H)		
New Open Save Hide Editor Play P	aylist Pause Stop	Control		
	Name Subtitle-1 Left	Border None 💌 👻	Alpha 100 Width	➡ Height
LED1	0	0	256	<b>♦</b> 32 <b>♦</b>
Program Page-1     Text-1     Program Page-2	Subtitle1	( 🗐		Head-to-tail Subtitle Name
Logical Subtitie-1				Subtitle1 Display stunts Continuous moving lef Run Speed 3
				Hold time(0.5s)       10       Vertical alignment       Align Middle
	Texture Background	Color Select	ed	Alpha 100 ~
Sending card mode CONNECTED	Find send card su	ccessfully		

- 2. Subtitle attribute
- Subtitle Name: set different subtitle name

• Boarder: set the subtitle boarder ,there is single line,double line or three line boarder ,and boarder color

- Alpha :subtitle alpha from 0%-100%, 0% is absolutely transparent ,100% is opacity
- Rotation: set the rotation mode as the 180°, right rotation to 90°, left rotation to 90°
- Left: left of the LED screen location ,unit is pixel.
- Top:top of the LED screen location ,unit is pixel
- Width: file window width
- Height: file window height, unit is pixel
- Set file as same attribute: set the other similar file attribute as same as the current file
- Head to tail: subtitle can be set as head to tail mode
- Display stuns:continuous moving left ,continuous moving right ,continuous moving upward ,downward ,direct show
- Run speed:run speed from 1-8, 1 is fastest.
- Hold time: the subtitle hold time (the time span for each level is 0.5s) .
- vertical alignment: select set vertically to the up ,center, or bottom

• Background :special texture ,pure ,picture or gradient background setting, also can set transparency,the transparency value from 0%-100%,0% is absolutely transparency,100% is opacity.

# Vertical subtitle window

1. Add vertical subtitle

Click attribute  $\clubsuit$ , add one or more vertical subtitle,or select the program 1 then click right mouse to add subtitle ,then click is to edit the subtitle, then set the parameters as shown in picture 63, if want to modify the subtitle then click the is OK.

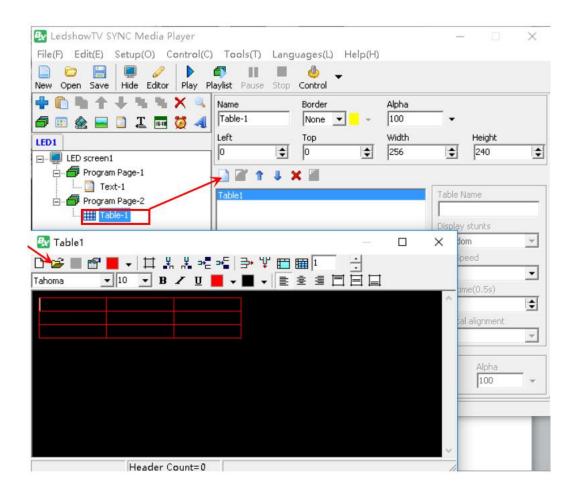
E LedshowTV SYNC Media Player File(F) Edit(E) Setup(O) Control(C)	Tools(T) Lang	uages(L) Help(	Ή)	( <u>202</u> )		×
	aylist Pause Stop	🍐 🚽				
	Name Vertical Subtitle-1 Left 8	Border None 💌 🗖	Alpha 100 Width 32	•	Height	•
Image: Construction       Image: Construction         Image: Constreaction       Image: Constreaction<	Background Set	up Color Se	lected	Subtitle Subtitle Display Randor Run Spe 3 Hold tim 10 Vertical Align M	e(0.5s)	•
Sending card mode CONNECTED	Texture Backgroun	d1 💌 🔳 👻			100	-

- 2. Vertical subtitle attribute
- Subtitle Name:set different subtitle name
- Boarder: set the subtitle boarder, there is single line, double line or three line boarder, and boarder color
- Alpha:subtitle alpha from 0%-100%, 0% is absolutely transparent ,100% is opacity
- Rotation: set the rotation mode as the 180°, right rotation to 90°, left rotation to 90°
- Left: left of the LED screen location ,unit is pixel.
- Top:top of the LED screen location ,unit is pixel
- Width: file window width
- Height: file window height, unit is pixel
- set file as same attribute: set the other similar file attribute as same as the current file
- Head to tail: subtitle set as Head to tail mode
- Display stuns: continuous moving left ,continuous moving right ,continuous moving upward ,downward ,direct show
- Run speed:run speed from 1-8 ,1 is fastest.
- Hold time :subtitle hold time (the time span for each level is 0.5s) 。
- vertical alignment: select set vertically to the up ,center, or bottom
- Background :special texture ,pure ,picture or gradient background setting, also can set transparency,the transparency value from 0%-100%,0% is absolutely transparency,100% is opacity

# Table window

1. Add table

Click 🔹 to add one or more tables ,or select the program 1 and press right mouse to add new table, then open to add new table. Also can open the 📽 to import the ready table file.



2. Table attribute

Table attributes can modify the table name ,display mode ,run speed ,hold time ,background.

- Table Name:modify the table name
- Boarder: set the subtitle boarder ,there is single line,double line or three line boarder ,and boarder color
- Alpha:subtitle alpha from 0%-100%, 0% is absolutely transparent ,100% is opacity
- Rotation: set the rotation mode as the 180°, right rotation to 90°, left rotation to 90°
- Left: left of the LED screen location ,unit is pixel.

- Top:top of the LED screen location ,unit is pixel
- Width: file width ,unit is pixel.
- Height: file height ,unit is pixel.
- set file as same attribute: set the other similar file attribute as same as the current file Enter style: random,ever-changing ,3D cube,3D door,3D page roll ,3D circle stretch ,3D ripple,3D wave,3D radial blur,3D matrix ,drip ,alpha blend ,expand,blinds,circular,diagonal,slide ,push ,direct show,slide left,slide right,slide up,slide down.
- Run speed: speed from 1-16,1 is fastest.
- Hold time: table duration time ,can set any value. (the time span for each level is 0.5s) 。
- vertical alignment: select set vertically to the up ,center, or bottom
- Background :special texture ,pure ,picture or gradient background setting, also can set
- transparency, the transparency value from 0%-100%,0% is absolutely transparency,100% is opacity

### 3. Edit table attribute

When use 🗋 to open the table ,as shown in picture 66 ,can edit the table parameters

🛃 Table1			×
🗋 🚅 📕 😭 📕 Tahoma 🛛 💌		∍⊊│≩→╨ШЩ ┃▼┃▼╞╧╧┨┠║	
			^
Page Count=1	Header Count=0	row:1 col:1	

- New: add new table
- Open: Open one exist table
- Save as: Save the table to computer specified location
- Table attribute: set the table header ,row and column
- Table Color:set the table color
- Table boarder: set the boarder of table
- Insert column on the left:insert a column to the left of the cursor position.

- Insert column on the right: insert a column to the right of the cursor position.
- Insert row above: insert a row to the up of the cursor position..
- Bottom line: insert a row to the bottom of the cursor position..
- Delete row: delete the selected rows.
- Delete columns: delete the selected column.
- Merged cell: combine the selected cell.
- Resolution cell: split the cell into a specified number of rows and columns.
- Font: set text font format.
- Font size : set text font size.
- Bold: set to bold text.
- Italics: text set as italic
- Underline: add underline text.
- Font Color: set table text font color .
- Background Color: set the background Color.
- Left aligned \centered \ right alignment: sets the table alignment to left, center or right alignment.
- Vertically aligned: sets the text to up of vertically aligned.
- center Aligned in the vertical direction: sets the text to center aligned in the vertical direction.
- Under vertical alignment: Set the text to the under vertical alignment.

User can put the mouse on the table boarder ,when the table display is 2 ,then drag the mouse to adjust the table width.

# Art text window

1. Add text window

Click 🕈 to add art text or select the program 1 to press the right mouse then add art text ,also can use the 🛋 to add art text. User can edit the text as the art as shown in picture 74

🐼 LedshowTV SYNC Media Player				<u> </u>	×
File(F) Edit(E) Setup(O) Control(	) Tools(T) La	anguages(L) Hel	р(Н)		
□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	Playlist Pause St	op Control			
🛉 🖺 🐂 🛧 🕂 🦄 🗙 🔍	Name	Border 🛁	Alpha		
률 📰 🏡 🚘 🗋 🎩 🔜 😻 4	Art Text-1	None 💌	- 100	-	
LED1	Left	Тор	Width	Height	
En ED screen1		• 0	\$ 256	\$ 240	\$
🚽 着 Program Page-1	Tahoma	▼ 24 ▼ B	Z 🛛 A 📕	•	
Text-1		Colorful Static			
🚊 🖷 Program Page-2			<u> </u>	Head-to-tail	
Art Text-1	please input you	ı text!		Display stunts	
				Continuous movir	ng left 💌
				Run Speed	
				3	-
				Hold time(0,5s)	
				10	\$
				Vertical alignment	
				Align Middle	<u> </u>
	Background	Setup		81-1	
	Texture Backgr			Alpha 100	
		ound 1 🔄 🛄		100	
ending card mode CONNECTED	Find send card	successfully			

2. Art text attribute

Set the art text font ,font size ,bold ,or Italic etc.

- Colorful background: set the colorful background color
- Colorful stunts: static,random,flicker ,move up,move down ,move left ,move right,,move up left ,move up right ,move down right ,vertical extension,vertical shrinkage ,horizontal extension ,horizontal shrinkage,rectangular extension ,rectangular shrinkage ,circular extension ,circular shrinkage ,diamond extension ,diamond shrinkage
- Run speed: run speed is from 1-5,1 is fastest
- Display stuns:continuous moving left ,continuous moving right ,continuous moving upward ,downward ,direct show
- Run speed:run speed is from 1-6 ,1 is fastest
- Hold time:the art text hold time is from (the time span for each level is 0.5s) 。
- vertical alignment: select set vertically to the up ,center, or bottom

• Background :special texture ,pure ,picture or gradient background setting, also can set transparency,the transparency value from 0%-100%,0% is absolutely transparency,100% is opacity

# Date/time window

1. add date/time window

Click to add the date/time window,or select the program 1 then press right mouse to add the window,also can use to add new date /time window.

#### 2. Date/time attribute

### 1) Analog clock

"time type" select "analog clock", then set the clock parameters like in picture 68.special texture, pure, picture or gradient background setting, also can set transparency, the transparency value from 0%-100%, 0% is absolutely transparency, 100% is opacity

Name	Border	Alpha			
Date Time-1	None 💌	- 100	-		
Left	Тор	Width		Height	
0	0	\$ 256	\$	240	\$
Time Type	Time difference	Hour		Minute	
Analog Clock 💌	Positive	• 0	•	0	<b></b>
Static text 💌 珩	宋体 ▼ 10 🕻		<u>1 U</u>		
Static text	 □ Dat		Г	Week	
北京	12月3	四日 🗾	厪	期一	Ŧ
Hour Point		3/6/9 Hour Poi	nt	an 1 2	
Circle 💌 2		Circle	2 🔻	-	
Minute Point	4.4	Pointer	Hour	Minute	Seconds
Circle 🗾 1	▼ <mark>■</mark> ▼	Diamond 💌	•	-	-
Background Set					
1	Color S	elected		Alpha	
Texture Backgroun	d1 🔄 🔳 -	5		100	*



#### 2) Lunar

"time type " select "lunar", then set the lunar parameters like shown in picture 76. special texture ,pure ,picture or gradient background setting, also can set transparency, the transparency value from 0%-100%,0% is absolutely transparency,100% is opacity

Name	Border	Alpha		
Date Time-1	None 💌	- 100	-	
Left	Тор	Width	Heig	ght
0	<b>¢</b> 0	\$ 256	\$ 24	0 🚖
Time Type	Time difference	e Hour	Min	ute
Lunar	▼ Positive	▼ 0	0	\$
「査 宋体 Static text		9 <b>⊈ B</b>	I ∐ ≣	33
	tems		Ω ≡−∣:	= =
Static text	tems Idar Setup		-	<b>≡ -≡</b> 

Picture 76

### 3) Date/time

"time type" select "date/time", then set the date/time parameters as shown in picture 85. special texture ,pure ,picture or gradient background setting, also can set transparency, the transparency value from 0%-100%, 0% is absolutely transparency, 100% is opacity

Name	Border	Alpha		
Date Time-1	None 💌 🚽	100	-	
Left	Тор	Width	Height	
0		256	240	\$
Time Type	Time difference	Hour	Minute	
Date Time	Positive 💌	0	¢ 0	<b>†</b>
□ 2000年12月	30日 ▼			
☑ 星期一		-		
☑ 20时59分5	9秒 🔹	-		
Background				
Texture Backgro	Color Sel	ected	Alpha 100	-

Picture 77

### **Timer window**

### 1. add timer window

Click 🛨 to add timer window or select the program 1 then press the right mouse button to add timer window .also can use 💆 to add one timer window.

### 2. Timer attribute

Users can set the timer parameters as shown in picture 86, special texture ,pure ,picture or gradient background setting, also can set transparency, the transparency value from 0%-100%,0% is absolutely transparency, 100% is opacity

• Countdown: set the target time for the future time. This is the countdown time. the timing is shown as the time difference between now to the future

• Count up: set the target time for the past time. This is the count up time. the timing is shown as the time difference between past to now

Timer-1 Left	None 💌 👻	100	•	
	Top			
	TOP	Width	Height	
0	0	256	\$ 240	\$
C Single Line		Multi-line		
む 宋体	▼ 10 ≤	B I U	E 🗐 🗉	
Static Text				
Farget Time			1	
2020-01-01 01:01:	D1	÷ <u> </u>	÷.	
Timing accumulat	te 🔽 Timer Ur	nit	Timing zer	ro
▼ Days 天	Auto 💌	🥅 Minutes	分钟	Auto 💌
Hours 小时	Auto 💌	🖵 Seconds	秒	Auto 👻
Background Sel	color Sele	cted	Alpha	
Texture Backgrour			100	-

Picture 78

### Video card window

Video card window can be set as video input device or audio input device.when there is video input, then select the display standard ratio , and input device name .when input TV signage, can set the video input source , TV channels and country /location .when there is audio

device input ,can set display size / format.

፼ LedshowTV SYNC Media Player File(F) Edit(E) Setup(O) Control(C)	Tools(T) Lang	uages(L) Help(H)	12	- 0	×
	aylist Pause Stop	Control			
+ î h + + + + × × × × ⊅ = ☆ = 2 I = 0 4	Name Video Card-1	Border None 💌 🚽	Alpha 100	-	
LED1	Left	Top 0	Width 256	Height 240	•
I	Video Input Device		T	Display Standard	
i 🞽 Video Card-1	Video input source			Ratio Aspect	
	Country/Location		¥		
	Display Size/Format		Ŧ		
	Audio Input Device		¥		
			<u> </u>	inside audio	
Sending card mode CONNECTED	Find send card su	ccessfully			

Picture 79

# Sensor display

1. Temperature display

Sensor type select as "temperature", set the mode ,correction value,sensor value width,sensor unit ,static text ,font size ,font and color,support temperature alarm function.special texture ,pure ,picture or gradient background setting, also can set transparency,the transparency value from 0%-100%,0% is absolutely transparency,100% is opacity

Sensor-1	Border	Alpha 100 •	
Left	Тор	Width	Height
0	0	256	240
Display type	Mode	Correction value	Value width
Temperature 💌	Integer	- 0	6 🔹
Sensor type		Temperature unit	
Temperature sense	or 1 🗖	Degrees Celsius	•
	<b>T</b>	2 宋体 💽 16	<b>B</b> <i>I</i> <u>U</u>
Threshold setting—	<b>∏</b> ı	2 宋体 🗾 🔤	<b>₿ / Ц</b>
Threshold setting-	Conditions	? 宋体	B Z U Threshold Color
l December 1999	Conditions		Threshold Color
Normal color	Conditions	Threshold	Threshold Color
l December 1999	Conditions	Threshold	Threshold Color

2. Humidity display

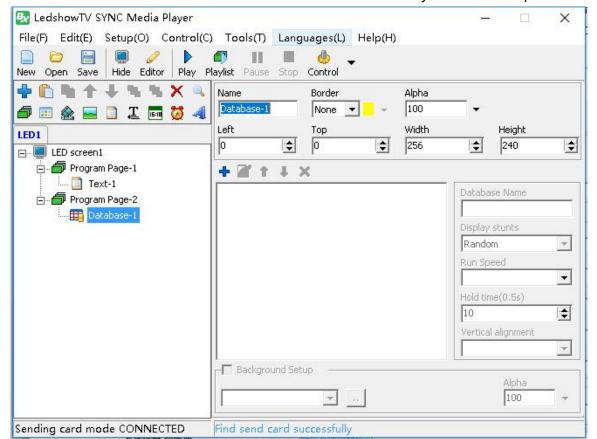
Sensor type select as "humidity", set the mode ,correction value,sensor value width,sensor unit ,static text ,font size ,font and color,support humidity alarm function.special texture ,pure ,picture or gradient background setting, also can set transparency,the transparency value from 0%-100%,0% is absolutely transparency,100% is opacity

Vame	Border	Alpha			
Sensor-1	None 💌 🗾	- 100	-		
.eft	Тор	Width		Height	
o 🚖		256	\$	240	\$
Display type	Mode	Correction va	alue	Value widt	n
Humidity 📃 💌	Integer	• 0	\$	6	<b>‡</b>
Sensor type		Humidity unit			211
Sensor type Temp and hum se	ensor 1		-	sRH) _	
	ensor 1		-	RH) <u> </u>	]
Temp and hum s			-	₽H) <u>•</u> <b>→ B</b> <i>I</i>	2
Temp and hum s		Relative hur	nidity(%		2
Temp and hum s		Relative hur	nidity(%		Ū
Temp and hum set	<b>7</b>	Relative hur 宋体 _	nidity(%	÷ в /	Ū

# **Database display**

1. add database

Click to add one or more database ,or select the program 1 and then press the right mouse button to add new database .also can use the to modify the database parameters.



Select Database Type	×
Database Type	
Access	•
Server Name	
l Port	
0	\$
User Name	
yangbang123	
Password	
****	
Datebase Source (Access file)	1
E:\TV软件用户手册\leddatal	base.mdb
Next Step	Cancel

2. Database attribute

Database attribute can modify the database name ,display effect ,run speed ,duration time and background setup.

• Name:User can make different database name as themself.

• Boarder: set the subtitle boarder ,there is single line,double line or three line boarder ,and boarder color

- Alpha subtitle :alpha from 0%-100%, 0% is absolutely transparent ,100% is opacity
- Left: left of the LED screen location ,unit is pixel.
- Top:top of the LED screen location ,unit is pixel
- Width: file window width, unit is pixel
- Height: file window height, unit is pixel
- Database name:same database can connect more database library ,named different to different database.
- Enter style: random,ever-changing ,3D cube,3D door,3D page roll ,3D circle stretch ,3D ripple,3D wave,3D radial blur,3D matrix ,drip ,alpha

blend ,expand,blinds,circular,diagonal,slide ,push ,direct show,slide left,slide right,slide up,slide down.

- Run speed:run speed is from 1-16,1 is fastest
- Duration: the table file duration time , set randomly (time span is 0.5s)
- vertical alignment: select set vertically to the up ,center, or bottom

• Background :special texture ,pure ,picture or gradient background setting, also can set transparency,the transparency value from 0%-100%,0% is absolutely transparency,100% is opacity

### 3. Database table setup

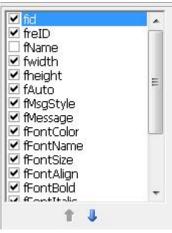
When user connect the database successfully or click it open the database setup ,as shown in picture 84, user can modify the database parameters.

Database table set	lings	X
Line Color	Horizontal line widthVertical line widthRow Height11122	t
select * from [tA	dvertisment]	
🔽 Header visible		
Header Font	U Tahoma ▼12 ▼ ≣ ≣ 22 ♀	
<ul> <li>fid</li> <li>freID</li> <li>ftvidth</li> <li>ftvidth</li> <li>fheight</li> <li>fAuto</li> <li>fMsgStyle</li> <li>fMssgStyle</li> <li>fFontColor</li> <li>fFontColor</li> <li>fFontName</li> <li>fFontSize</li> <li>fFontSize</li> <li>fFontAlign</li> <li>fFontBold</li> <li>fFontTalic</li> </ul>	<ul> <li>Column Font</li> <li>B I U Tahoma ↓ 12 ↓ ≡ ≡ ≡</li> <li>Column Name</li> <li>Column Width</li> <li>fid</li> <li>Font Color</li> <li>↓</li> <li>Background Color</li> <li>↓</li> &lt;</ul>	ı
	Preview Save	

- Line Color:set the database table line color
- Horizontal Width: set the database table horizontal line width value
- Vertical Width: set the database table vertical line width value
- Row height: set the database table row height
- Sql: user can select one checking word in the list also can use the custom sql to check.
- Header visible: Select it will display the header subtitle
- Header font Color: set the header font color
- Header bold: set the header font as bold
- Italic: set the header font as italic
- underline: set the header font as underline
- Header font : set header font
- Header font size: Set header font size
- Header font align left/center / right:set the header font align left/center / right
- Header height: set the header table height
- Column font bold: set the font as bold
- Column font italic:set the column font as italic
- Column underline:set one column text of the table as underline
- Column font: set the table column font format

- Column font size : set column table font size
- Column font align left/center / right:set the column font align left/center / right
- Column name: set column name
- Column width: set column table width
- Column font Color:set column font color
- Column background Color:set column background color

User also can select one of the header or drag the list to adjust the header order like shownin in picture 85



# Weather window

### 1. Add weather window

Click 📌 to add the weather window or select the program 1 then click mouse right key to add weather window.

### 2. Weather attribute

Select the country or the city of the country ,then can set the weather parameters as shown in picture 86.special texture ,pure ,picture or gradient background setting, also can set transparency,the transparency value from 0%-100%,0% is absolutely transparency,100% is opacity

EdshowTV SYNC Media Player     File(F) Edit(E) Setup(O) Control(C)	Teels (D. Land	ueges(1) Help(H)	17	- 🗆 X
	laylist Pause Stop	Control		
	Name Weather-1 Left 0	Border None  Top 0	Alpha 100 Width 256	Height       ↓
ED screen1	Country China Weather 💌	City beijing •	beijing ↓ B Z 型	
umeather-1	Show Type Today	<ul> <li>Weather icor</li> <li>Pressure</li> </ul>	ns 32x24 💌	Air Quality
	<ul><li>✓ Weather</li><li>✓ Temperature</li></ul>	<ul><li>✓ Wind</li><li>✓ Humidity</li></ul>		Weather Index
	Display stunts Random Background Set			Hold time(0.5s) 10
Sending card mode CONNECTED	Find send card su	iccessfully		

Picture 86

# FILE MENU

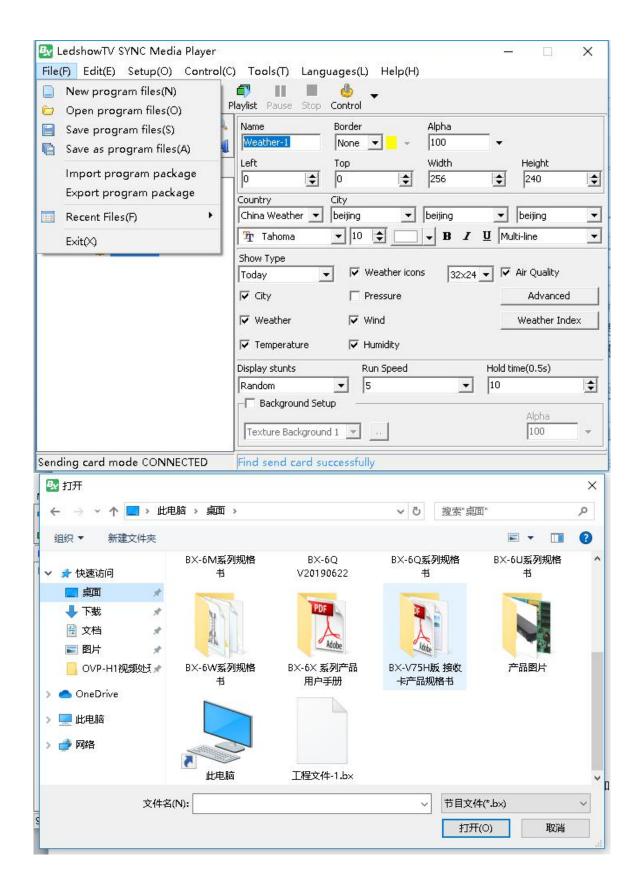
# New program files

In the file menu to select the "new program files", then select "YES" to add new program, the original file will be completely replaced.

B _X L	edshowTV 2017 SYNC Media Pl	ayer			<u></u>	
File(	F) Edit(E) Setup(O) Contro	l(C) Tools(T) l	Languages(L)	Help(H)		
	New program files(N)	Playlist Pause	Stop Control	•		
	Open program files(O) Save program files(S) Save as program files(A)	Program Name	Prog	ram Page-1		600 🔷 s
	Import program package Export program package	Play aging	2017/11/ 7	Play tim	-	
	Recent Files(F) Exit(X)	End	2017/11/ 7	End	23:59:59	
		Mon.	Tues.	🔽 Wed.	🔽 The	л.
		Pure Backgroun		Color Sele	cted	
		Background Mu			100 文	

### **Open program files**

In the menu file ,open the program file as shown in the picture 88 ,open the *.bx format file as shown in picture ,all original files will be replaced.



# Save program files

In the "file" menu, select the "save program files" as shown in the picture, the play file will be saved to default path, if delete the video picture or file in it, the users can't display the files.

	edshowTV SYNC Media Player		– 🗆 🗙
File(	<ul> <li>F) Edit(E) Setup(O) Contro</li> <li>New program files(N)</li> <li>Open program files(O)</li> </ul>	(C) Tools(T) Languages(L) Help(H) Playlist Pause Stop Control	
	Save program files(S) Save as program files(A)	Name         Border         Alpha           Weather-1         None         ✓         100	-
	Import program package Export program package	Left Top Width 0  256 Country City	Height
	Recent Files(F)	Country City China Weather 💌 beijing 💌 beijing	✓ beijing ✓
	Exit(X)	T Tahoma 🔹 10 🔹 💶 🗣 🗷	U Multi-line
		Show Type Today Veather icons 32x24	🖌 🔽 Air Quality
		City Teressure	Advanced
		🔽 Weather 🔽 Wind	Weather Index
		✓ Temperature ✓ Humidity	
		Display stunts Run Speed	Hold time(0.5s)
		Random 💌 5 💌	10
		Texture Background 1	Alpha 100 -
Send	ing card mode CONNECTED	Find send card successfully	

Picture 90

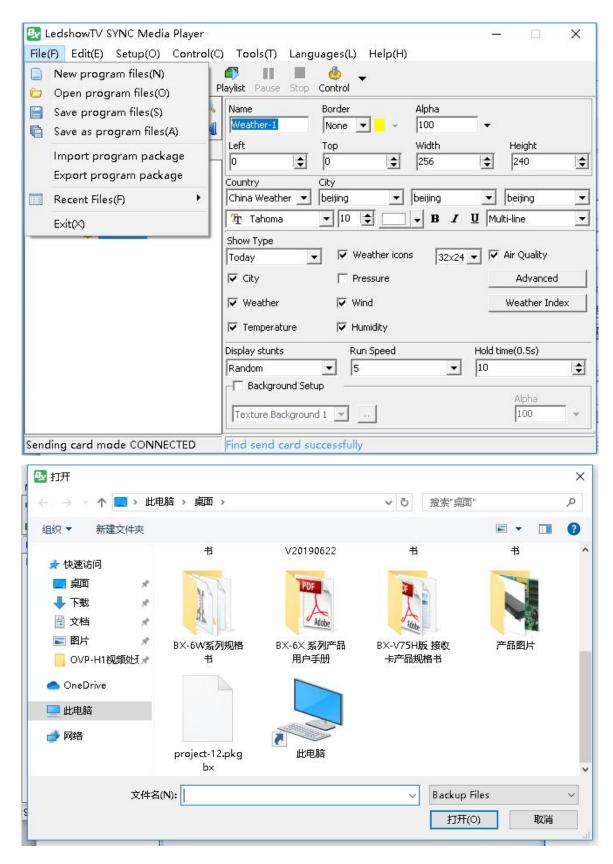
# Save as program files

In the "file" menu ,select the "save as program files" as shown in the picture ,the play file will be saved to default path ,if delete the video picture or file in it ,the users can't display the files.

File(	edshowTV SYNC Media Pla (F) Edit(E) Setup(O) Con New program files(N) Open program files(O)	ntrol(C	) Tools(T) Lang	uages(L) Help(H	)			×
	Save program files(S) Save as program files(A)		Name Weather-1	Border	Alpha 100 Width	•	11-:	
	Import program package Export program package	ł	Country	Top 0	256	•	Height 240	•
	Recent Files(F)	•	China Weather 💌	beijing 💌	beijing	•	beijing	•
	Exit(X)		🚡 Tahoma	▼ 10 €	<b>- B</b> <i>I</i> ]	U Mu	lti-line	•
			Show Type Today	✓ Weather ico ✓ Pressure	ns 32x24		Air Quality Advanced	1
			Veather	Vind			Weather Inde	ex
			Display stunts	Run Speed		Hold H	me(0.5s)	
			Random	▼ 5	•	10	me(0.55)	•
			Texture Background				Alpha 100	-
Senc	ling card mode CONNECTE	D	Find send card su	iccessfully				

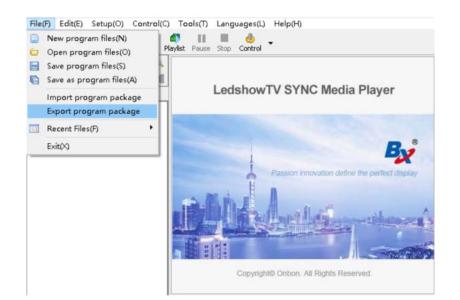
# Import program package

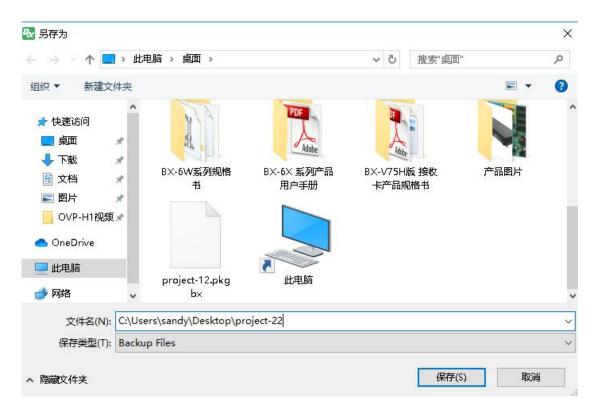
In the menu" file", select "import program package" as shown in the picture 92,open the*.pkgbx format file as shown in picture, if the video file, picture was deleted from computer, after user import the package, also can open the video, picture files.



# Export program package

In the menu" file", select "export program package" as shown in the picture 94, open the*.pkgbx format file as shown in picture, then click "save' to finish the export package.





# **COMMON SETUP**

# **Software options**

### 1. Play window

Set the play window parameters also can set the play window location and size.

Play Window	Screen Num	bers				
	ן  1		·	к		
Program	Left 1	fop W	idth	Height	Rotation	Name
Other	200 🚖	300 🚖 5	12 韋	480 🚖	0 🚖	LED1
Timing	Left	Top V	/idth	Height	Rotation	Name
settings	1 200	300 5	12	480	0	LED1
Background Music						

#### Picture 96

- Screen numbers: the number is from1-8, maximum is 8
- Left:Set the play window horizon location in computer
- **Top:**Set the play window vertical location in computer
- Width: set the play window width
- Height: set the play window height
- Name:set the play window name

- Allow mouse to change the window location: set the play window location by drag mouse Setup all the parameters ,then click "modify ", click " save "is OK
  - 2. Program

Setup the program parameters in software options.

Software Opt	ions X					
Play Window	Show Window Wallpaper					
Program						
Other	C Automatically start software when boot					
Timing	C Automatically play program when start software					
settings Background	🔽 Display area dotted border					
Music	🗖 Screen display black border					
	🔽 Area fill color					
	Top-level playback shows when playing					
	Capture screen when the window is hidden(Gigabit network model)					
	The control interface is minimized during playback					
	Save Cancel					

Picture 97

• Show window wallpaper: if no program, display tri color or black wallpaper, also can click the icon to select wallpaper

• Automatically start software when boot: start windows then the software will automatically start

• Automatically play program when start software: after start the software , automatically display the last program which saved before.

- **Display area dotted boarder**: if no selection, then the edit area will not display edit boarder
- Screen display black boarder: after selected ,then will display program boarder
- Area fill Color: after selection , the edit area will display fill color

• **Top-level playback shows when playing:** after selection, the play window will be shown on the top of computer window.

• **Capture screen when windows is hidden(Gigabit network model) :**after select ,when use Gigabit network function ,the window will be hidden ,only capture computer desk.

3. Other

Set the computer power on&off in software.

Software Opt	ons	×
Play Window Program Other	<ul> <li>Confirmation when exiting</li> <li>software automatically restart when fault</li> <li>Display pictures when no program is played</li> </ul>	
Timing settings Background Music	Video deinterlace	
	Save Canc	el

- Confirmation when exist: need user confirmation when exiting
- **Software automatically restart when fault:**Select then when the software is fault ,the software will automatically restart
- **Restart the software every day:** After selection ,user can set the software restart time.
- **Timing shutdown computer:** after selection ,user can set the computer shutdown time.

Software Opti	ons	×
Play Window Program	<ul> <li>Restart the software every day</li> <li>Timing Software Switch</li> </ul>	1:00:00
Other Timing settings	Timing startup software Timing shutdown software	6:00:00 + 21:00:00 + -
Background Music	Timing shutdown computer	23:00:00
l	Save	Cancel

#### 4. Background music

User can set the software background music ,add or delete the music in computer ,also can add multiple background music.

Software Opt	ions		×
Play Window Program Other Timing settings Background Music	+ X 1 J	Volume	J 100 🗲
	<u> </u>	Save	Cancel

#### Picture 99

- Background music: start the background music
- Volume : adjust the music volume

# Multiply screen edit and play

firstly click "setup" --" software options" --" 888" then select the screen numbers ,then click "save " as shown in picture 100

ay Window	Screen Nun	nbers				
nay mildow	1		<b>_</b>	эк		
ogram	Left	Тор	Width	Height	Rotation	Name
:her	200 🚖	300 🚖	512 🜲	480 🚖	0 😫	LED1
ming	Left	Тор	Width	Height	Rotation	Name
ettings	1 200	300	512	480	0	LED1
lusic						

#### Picture 100

After add the screen numbers , will show the play window as shown in the picture 101.

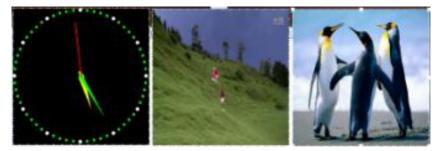


Picture 101

Click the selected screen to edit the program as shown in picture 102.

🛃 LedshowTV SYNC Media Player-pr	oject-11.b×			– 🗆 X
File(F) Edit(E) Setup(O) Control(C	) Tools(T) Lang	uages(L) Help(H)		
New Open Save Hide Editor AllPlay	Play Playlist Pause	stop Control		
💠 🛍 🕆 🕂 🦮 🗙 🔍	Name	Border	Alpha	
🗗 📰 🏡 🚘 🗋 I 🖽 💆 🔌	Weather-1	None 💌 🚽 👻	100	•
LED1 LED2 LED3	Left	Тор	Width	Height
LED1	0	0	256	240
7 🖥 🗂 🗗 Program Page-1	Country	City		
Text-1	China Weather 💌	beijing 🗾	beijing	🔹 beijing 💽
Program Page-2	🖞 Tahoma	▼ 10 😫 🔛	<b>→</b> B <i>I</i> <u>U</u>	Multi-line
weather-1	Show Type			
	Today	🖌 🔽 Weather icor	15 32x24 💌	🔽 Air Quality
	🔽 City	Pressure		Advanced
	🔽 Weather	🔽 Wind		Weather Index
	🔽 Temperature	🔽 Humidity		
	Display stunts	Run Speed	Ho	old time(0.5s)
	Random	▼ 5	▼ 10	) 😫
	Background Set	up qu		Alaba
	Texture Backgroun	d 1 💌		Alpha 100 -
Sending card mode CONNECTED	Find send card su	ccessfully		

Click the "play current screen" all screen will display program at same time as shown in picture 103.



Picture 103

# Background play

- 1. desktop play
  - Set the screen resolution

Setup--software options then select the desktop play --select the "desktop1 (primary) 1440 ×900 60HZ", as shown in below, then the computer desktop will display the play window:

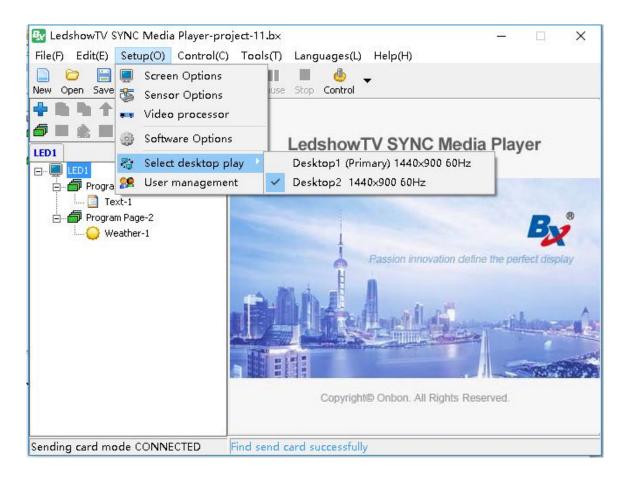
🛃 LedshowTV SYI	NC Media Player-p	roject-11.bx				( <u>1655</u> )		×
File(F) Edit(E) S	etup(O) Control(	) Tools(T)	Language:	s(L) Help(H	)			
New Open Save	Screen Options Sensor Options	1.00	e Stop Contr	ol 👻				
	Video processo		Bord	er e 🔻 🗸	Alpha 100	- •		
	🖇 Software Optio	ns	Тор		v Width		Height	
	Select desktop				10×900 60Hz	Ĩ	240	\$
🚊 🗇 Progra 💈				1440×900 60				
Formation in the second secon		China Weal Trahon Show Type Today ✓ City ✓ Weather		v Weather ico ✓ Weather ico ✓ Pressure ✓ Wind	beijing BI	् जा -	beijing :i-line Air Quality Advanced Weather Ind	ex
		Display stun		Humidity Run Speed		Hold tin	ne(0.5s)	
		Random	ound Setup	5	•	10	16(0.33)	\$
			ackground 1	-			Alpha 100	-
Sending card mode	e CONNECTED	Find send	card success	fully				

Click stop then the window will stop to display

By Le	edsh	1000		×
III Hide	Play	Pause	Stop	ontrol 🗸

### ◆ Start background play

Select the setup--desktop play--click "desk top 2 1440×900 60HZ", as in the below ,the desktop will not display the window ,the window will running in the background.



Click "play" then the screen will display only computer image ,only display program in the background .as shown in picture

🛃 LedshowTV SYNC Media Player		- 🗆 X
File(F) Edit(E) Setup(O) Control(C)	Tools(T) Languages(L) Help(H)	
New Open Save Hide Editor	🗊 💵 🎂 🚽	
<b>+</b> ∩ <b>+ +</b> + <b>+ ×</b> × ∝ <i>5</i> = 2 = 1 = 2 = <b>3</b> <i>4</i>	Program Name Program Page-2	
		Play Length 600 🗲 s
EEDI LED screen1	Play aging	Play time
Program Page-1	Start 2019/ 8/21	Start 0:00:00
	End 2019/ 8/21	End 23:59:59
	Week properties	
	Mon. 🔽 Tues.	Wed. 🔽 Thur.
	🔽 Fri. 🔽 Sat. 🔽	Sun.
	Background Setup	
	Pure Background	Color Selected
	Background Music Volume	
	+ X + + -	J 100 🗢
Режим подключения DVI подключен	Перелающее устройство не обнару	Wello

#### • Stop background play

Click "stop" button, the program will stop as shown in picture .

By Le	edsh	200	Ę	×
III Hide	) Play	Pause	Stop	ontrol 🗸

### **User management**

User management mainly used to distribute different authority management and normal user .click "setup" --" user management" then to the "user management" window(picture 112)

「管理员	Add
	Delete
	Modify Passwor
	Save Exit

Picture 112

1. User add

Click "user add", input user name and password as shown in picture 113.

V User Add User Name	×
User-1	
Password	<u> </u>
Password confirmation	Cancel



- 2. Authority
- Administrator: operate all setting ,also can set the user and user authority.
- **Common user**: operate display content, can't set the screen hardware parameters and user management.
- Limited user: only upload and play the ready program
- start user authorization: user need log in when start the software
  - 3. Delete user

In the picture 112,Select one added user (attention: administrator can't be deleted)click "delete "will prompt yes or not ,select the" Yes"

4. Modify password

In the picture 112, Select one added user, click "modify password" then click OK .

User authentication at startup
 In the picture 112, select the " user authentication at startup" then will prompt user

authentication next time.

# **CONTROL FUNCTION**

#### screen brightness

In the "control" menu ,click" screen brightness" then set the brightness parameters .

🛃 Screen Brightness	X
Manual adjustment	C Timer adjustment
Dark(1)	Bright(255)

As shown in picture, there is manual adjustment and timer adjustment.

Manual adjustment: drag the list from dark to bright and then finish the setup Timer adjustment: timer adjustment the brightness, there is 4 time option, user select the value to finish the setup.as shown in picture.

₽ _V	Screen Brightness			>
1	1anual adjustment	Timer adjust	ment	
~	06 💌 : 30 💌	Dark(1)	Bright(16)	
	10 💌 : 30 💌		16 (1)	
	16 🛨 : 30 👻	2	16	
	18 💌 : 30 💌			
_				Setup

#### Lock current screen

In the "Control" menu, click "lock current screen", user can lock one displaying screen ,after locked, the LED screen will stop display no matter the program is playing or not.

#### **Unlock current screen**

In the "Control" menu, click "unlock current screen", user can unlock one locked screen ,after unlocked, the LED screen will display currency program.

#### Screen timer setting

In the menu ,select "screen timer setting" and prompt the picture ,then set the timer parameters .

Image: Second secon	🛃 Screen timer se	etting	×
<ul> <li>Turn On Turn Off</li> <li>Torn On Turn Off</li> <li>Torn On Turn Off</li> <li>Turn On Turn Off</li> <li>Sun.</li> </ul>	C Set timing on/off		Cancel timing on/off
	<ul> <li>✓ Turn On</li> <li>7:00 ÷</li> <li>7:00 ÷</li> <li>Turn On</li> <li>11:00 ÷</li> <li>Turn On</li> <li>15:00 ÷</li> <li>Turn On</li> <li>20:00 ÷</li> <li>Week properties</li> <li>Mon.</li> <li>Weed.</li> <li>Fri.</li> </ul>	10:00       +         Turn Off       13:00       +         Turn Off       18:00       +         Turn Off       23:00       +         Turn Off       Turn Off       -         Turn Off       18:00       +         Turn Off       19:00       +         Turn Off <th>nested. does not support desert day timer</th>	nested. does not support desert day timer
			Setup

#### Software power on

In the menu" Control", select the "software power on" will start all the connected LED screen

#### Software power off

In the menu" control", select "software power off" will close all the connected LED screen.

### **Notification management**

Notification management mainly used for insert urgent notification.

1. Notification window

Click the menu "control" then select the "notification management" as shown in picture

All Leds	-	Play	St	op
🗃 Tahoma	• 16	<u>•</u> B <i>I</i> U	<b>-</b> ×	
blease input text!				
	51 J J	Bottom edge	Loop	
Left edge	Right edge	bottom eage	Loop	
	Right edge		[10]	\$
0	-			unceres-GRAD
0	0		L 10	mone-Ekiti
0 🔹	o 🛓	0	Hold tim	e(0,5s)

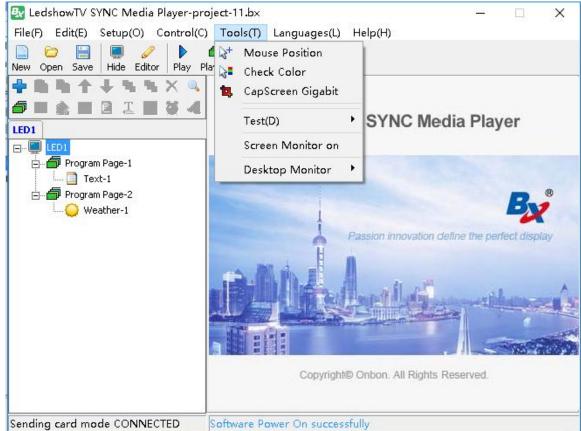
- Notification management attribute
   In the picture ,set the notification parameters.
- 3. Play /stop notification

After setup all parameters as shown in the picture ,click the "play" to play the notification ,click the "stop" to stop the notification.

## TOOLS

#### **Mouse position**

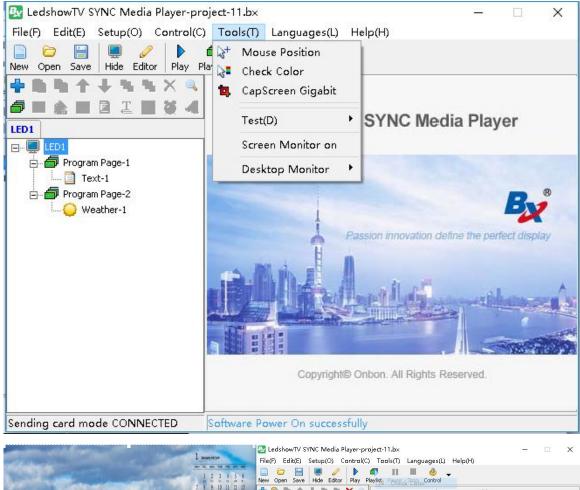
Click "tools" then select the "mouse position" as shown in picture 118 .put the mouse at any position of the computer ,the interface will display mouse cursor position ,then will be easy to know this position vertical and horizon position. As shown in picture . after setup ,click the mouse will exit.

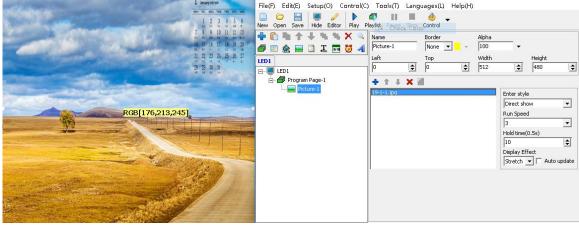


	New Open Save Hide Editor P	trol(C) Tools(T) Languages(L) Help(H)  Play Playtet Pause Stop Control  Program Name Program Page-1  Play Times  Play Times  Play time Play time Play time
X:425 Y:523	Program Page-1	Start         2019/7/29         Start         0:00:00           End         2019/7/29         End         23:59:59           Image: Comparties         Image: Comparties         Image: Comparties           Image: Comparties         Image: Compartis
		Background Setup Color Selected Pure Background Wusk Volume

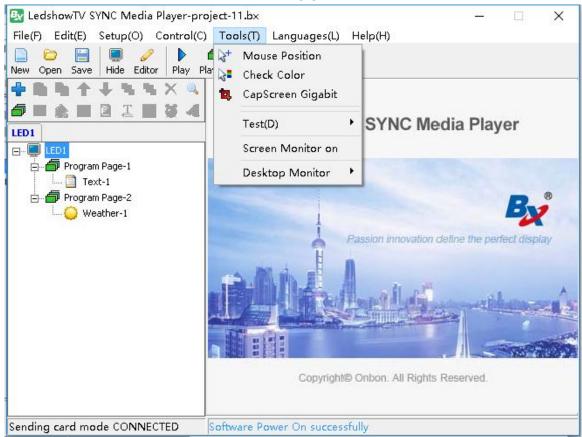
#### **Check color**

Click "tools" then select the "check color" as shown in picture .put the mouse at any position of the computer ,the interface will display RGB color of the mouse cursor position ,then will be easy to know this position vertical and horizon position. As shown in picture . after setup ,click the mouse will exit.





## **Capscreen Gigabit**



In the menu "tools" select the "capscreen gigabit" as shown in picture

Click" capscreen Gigabit" will prompt that "close the LedshowTV" or not ,click "YES" then display one capscreen window,put the mouse in the middle of the window,click mouse to make screenshort ,after that slick right mouse key ,then select "window top most" " setup" " start capscreen" " stop capscreen "language" as shown in picture 123



Window top most: set the capscreen window at top of all the windows

Setup : set the capscreen parameters as shown in picture 124

- X and Top:adjust the capscreen coordinate position
- Width:adjust the capscreen width
- Height:adjust the capscreen height
- outter: adjust the window outter color
- center: adjust the window center color

- Scale : select it then can manual modify the screen width and height
- Net card: select capscreen net card
- Auto start capscreen when application running: automatically capscreen or not when software running

X Y Outter	Width 512 + Height 384 + Center	Screen Width 512 Screen Height 384 Screen Height
Vet Card	(e GBE Family Co	ntroller

**Start capscreen:** Click" start capscreen" as shown in picture, user move the capscreen to the specified position , then the screen will be captured and display zoom content synchronously.

X:538/Y:331/W:512/H:384	
	Window top most
	Setup
	Start Capscreen
	Stop Capscreen
	Languages >
	Exit

**Stop capscreen**: click the right mouse key ,select the "stop capscreen" in the right down

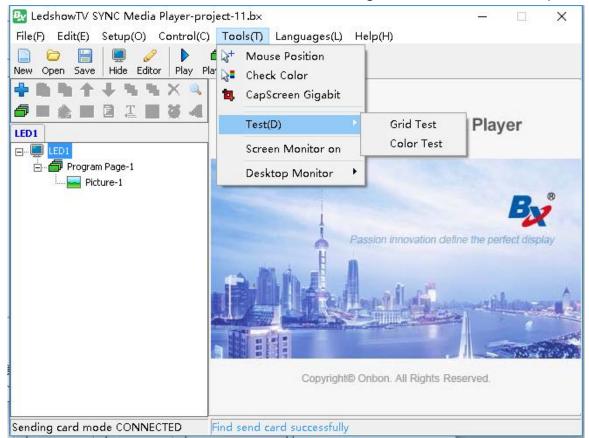
cornerof the computer ,or select "exit" to close the capscreen function.

**Language:** user can select the Simple Chinese,traditional Chinese , English , Korea, Japanese , France language etc...

#### <u>Test</u>

1. Line test

In the "tools" menu ,select the "test" and test the gird and color as shown in picture



2. Gird test attribute

In the picture 132 setup Gird attribute、included: line color,background color Changed color: single color no change,double colors changed,three colors changed,run speed ,spacing,vertical ,horizontal,oblique or back oblique

Grid Test		×
Line Color		Apply
Background Color		Close
Changed Color	Run Speed	
Single color no change	100 🚖	
C Double Colors Changed	Spacing	
C Three Colors Changed	16 🜩	
🔽 Vertical	🗂 Oblique	
🥅 Horizontal	🔲 back Oblique	

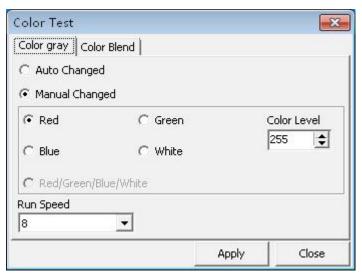
3. Color test



In the "tools" menu ,select the "test" to test the line as shown in picture 133.

4. Color test attribute

In the picture 134 can set the color attribute, including :color gray test and color tape test.



Picture 134

**Color Gray test:** test the color gray of the screen **Color blend test:** test the color blend of the screen

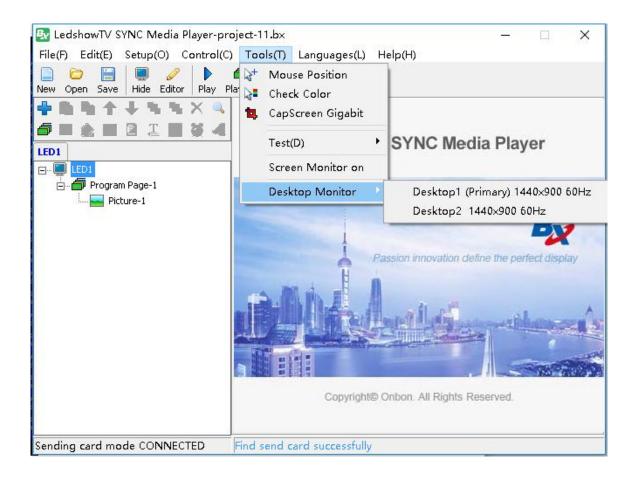
#### Screen monitor on

In the "tools" menu ,select the "screen monitor on", as shown in picture. after click the "screen monitor on" all the program in the foreground or background will display on the interface, use this function can monitor all LED screen display, after monitor, close the play window is OK.



#### **Desktop monitor**

Click the "tools" menu in the main menu bar, and click the left mouse button in the drop-down menu to select the "desktop monitor" menu item, as shown in the below.By clicking on a desktop to monitor, the user can see the screen on the desktop to monitor.(for multi-monitor mode)



## References

Quick scan configuration setting list for LED modules				
Module Model	Interface	Module size	Scan code	
indoor single/dual color	Т08	64×32	16.0(0.0)	
P10 single red	T12	32×16	4.0(2.8)	
P10 single white	T12	32×16	4.1(2.4)	
outdoor single/dual color	T12	32×16	4.2(2.9)	
P4/P5/P6 full color	T75	64×32	16.0	
P3(E signage)	T75E	64×64	32.0	
Hoozoe P3 full color	T75	64×64	16.2	
Hoozoe P4 full colo	T75	64×32	16.0	
Hoozoe P5 full color	T75	64×32	16.0	
Hoozoe P6 full color	T75	64×32	16.0	
Hoozoe P8 full color	T75	32×16	4.1	
Hoozoe P10 full color	T75	16×16	4.1	
Higreen Cailiang P2.5 full color	T75	64×64	32.2	
Higreen Cailiang P3 full color	T75	64×64	32.1	
Higreen Cailiang P4 full color	T75	64×64	8.8	
Higreen Cailiang P5 full color	T75	32×32	16.0	
Higreen Cailiang P6 full color	T75	32×32	16.0	

Higreen Cailiang P6 full color	T75	32×32	8.7
Higreen Cailiang P8 full color	T75	32×16	4.0
Higreen Cailiang P10 full color	T75	16×16	4.3
Module Model	Interface	Module size	Scan code
Higreen Cailiang P10 full color	T75	32×16	4.1
Higreen cailiang K10 full color	T75	32×16	4.15
Higreen Cailiang P10 full color	T75	32×16	2.3
Zhangzhou Cailiang P10 full color	T75	16×16	4.1
Quanzhou Cailiang P10 full color	T75	16×16	4.3
Quanzhou Cailiang P10 full color	T75	32×16	4.1
shenzhen helilai P5 full color	T75	64×32	16.0
shenzhen helilai P8 full color	T75	32×16	4.11
shenzhen helilai P10 full color	T75	32×16	4.3
shenzhen helilai P10 full color	T75	16×16	4.6
shenzhen helilai P10 full color	T127	16×16	4.14
shenzhen helilai P13.3 full color	Т08	24×12	3.0
shenzhen helilai P10 full color	T75	32×16	4.11
shenzhen helilai P10 full color	T75	32×16	4.3
shenzhen helilai P10 full color	T75	16×16	4.6
shenzhen helilai P10 full color	T127	16×16	4.14
shenzhen helilai P13.33 full color	T08	24×12	3.0
shenzhen teeho P5 full color	T75	64×32	16.3
shenzhen teeho P5 full color	T75	32×32	8.1
shenzhen teeho P8 full color	T75	32×16	4.3

shenzhen teeho P10 full color	T75	32×16	4.11
shenzhen mingchang P5 full color	T75	32×32	8.4
shenzhen mingchang P6 full color	T75	32×32	8.3
Module Model	Interface	Module size	Scan code
shenzhen mingchang P10 full color	T75	32×16	4.0
GKGD P2.5 full color	T75	64×64	32.2
GKGD P3 full color	T75	64×32	16.0
GKGD P4 full color	T75	64×32	16.0
GKGD P5 full color	T75	64×32	16.0
GKGD P6 full color	T75	64×32	16.0
GKGD S6 full color	T75	32×32	8.3
GKGD S8 full color	T75	32×16	4.0
GKGD S10 full color	T75	32×16	4.0
shenzhen easy screen P3 full color	T75	64×64	32.0
shenzhen chuangxinhui S6 full color	T75	32×32	8.6
shenzhen huaxia P6 full color	T75	32×32	8.4
king aurora P8 full color	T75	40×20	5.1
king aurora P10 full color	T75	32×16	4.1
shenzhen sancai P8 full color	T75	32×16	4.0
shenzhen sancai P10 full color	T75	16×16	4.7
shenzhen jingying P5 full color	T75	32×32	8.4
shenzhen jingying P8 full color	T75	16×16	4.1
shenzhen jingying P10 full color	T75	16×16	4.6
shenzhen screen P8 full color	T75	32×16	4.17

shenzhen screen P10 full color	T75	32×16	2.5
shenzhen liangcai P10 full color	T75	16×16	4.0
shenzhen gloshine P4.81 full color	T75	52×52	13.0
Module Model	Interface	Module size	Scan code
fujian taide P10 full color	T75	32×16	4.1
hubei meiyad P10 full color	T75	16×16	4.6
shenzhen high bright P4 full color	T75	64×32	16.0
shenzhen high bright P6 full color	T75	64×32	8.3
shenzhen high bright P10 full color	T75	32×16	4.0
shenzhen high bright P10 full color	T75	32×16	2.5
shenzhen huangjia P8 full color	T75	32×16	4.17
HATRESS P2.5 full color	T75	64×64	32.0
HATRESS P3 full color	T75	64×64	32.0
HATRESS P4 full color	T75	64×64	32.0
HATRESS P4 full color	T75	64×32	16.0
HATRESS P5 full color	T75	64×32	16.0
Qiangli P2.5 full color	T22	64×64	32.0
Qiangli P3 full color	T22	64×64	32.0
Qiangli P3 full color	Т30	64×64	32.0
Qiangli S4 full color	T75	80×40	20.0
Qiangli P5 full color	T75	64×32	16.0
Qiangli S5 full color	T75	64×32	8.5
Qiangli Q5 full color	T75	64×32	16.0

Qiangli P6 full color	T75	64×32	16.0
Qiangli S6 full color	T75	32×32	8.0
Qiangli S6 full color	T75	32×32	8.1
Module Model	Interface	Module size	Scan code
Qiangli X8 full color	T75	40×20	5.3
Qiangli X8 full color	T75	32×16	4.16
Qiangli S8 full color	T75	32×16	4.3
Qiangli S8 full color	T75	40×20	5.2
Qiangli S8 full color	T75	32×16	4.16
Qiangli S8 full color	T75	32×16	4.18
Qiangli P8 full color	T75	32×16	4.0
Qiangli X10 full color	T75	32×16	4.15
Qiangli M10 full color	T75	32×16	2.4
Qiangli P10 full color	T75	16×16	4.9
Qiangli S10 full color	Т73	32×16	2.2
Qiangli S10 full color	T75	32×16	4.0
Qiangli P13.33 full color	Т08	24×12	6.0
qiangli P16 full color	Т08	20×10	5.0

2. All the scan mode shown in the LedshowTV/YQ/TW scan mode list ,no need use the smart configuration

## **CONTACT US**

## Shanghai Head Office Add:

Floor 7, Tower 88, 1199#, North Qinzhou Road, Xuhui District, Shanghai , China

## Kunshan factory address:

No.1299 fuchunjiang road, kunshan development zone, jiangsu, China

## Shenzhen Branch Office Add:

Room 309,B#,Shiyan Sanlian industrial park,Baoan District,Shenzhen

Tel: 0086 15921814956 0086 15800379719 0086 15850358027

Email: onbon@onbonbx.com

Website: http://www.onbonbx.com http://onbonbx.en.alibaba.com

Mobile website: http://www.onbonbx.com/m-en

#### Secondary development

Tel: 0512-66589212 Email: dev@onbonbx.com

## iLEDCloud

website: http://www.iledcloud.com/



Public wechat