

user manual

BX-Y2 media player



Version : V1.2 Release Date : 2019.11.22

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Brief Introduction

Thanks for ordering LED control card. The design of the control card is according to the international and industrial standard, but if the operations are incorrect, it will probably bring you personal injury and financial harm. As to avoid these and win more from your equipment, please obey the specifications of this file.

Summary

BX-Y2 performance is more stable ,easy to operate by network control ,cluster sending and cloud management. Flexible control size ,support super length 8192. Total pixels \leq 600K: 1024*600; (W \leq 8192, H \leq 2048)

Storage is 4GB FLASH, SD card extend to 256GB is optional.

- (1) The second protocol platform ,easy to make secondary development for customized projects.
- (2) Y2L/Y2/Y3 is mainly for super length full color screens;
- (3) Control the screen resolution can be more than 4096;
- (4) Several kinds of sensor and relay on board;
- (5) Support environmental monitoring sensors;
- (6) Support BX-VMF;
- (7) Support China and overseas weather report;
- (7) Support GPS, display the real time tracking on the bus screens;
- (8) Support program self-adaption;
- (9) Support program background music;
- (10) Support dynamic area;
- (11) Support screen rotation;
- (12) Support video area copy;
- (13) Support playback;
- (14) Support parameters setup save and readback;
- (15) Support arbitrary typesetting rules in Mongolian, Hebrew, Arabic, etc, easy to make vertical

font

(16) Support firmware and FPGA update online, cost efficient

Interface specification

BX-Y2 interface specification

BX-Y2 supports the external WiFi module and one channel of audio output.



Item	Interface	specification
Û	USB	USB port ,support independent WIFI module 4G routers
2	WIFI	Connect with 2.4GHz WIFI antenna
3	SD	SD card, extend slot
4	LAN	100M Ethernet port connect to PC
5	TEST	TEST BUTTON
6	θ	Move down, Interactive menu focus down
7	π	Move up,Interactive menu focus down
8	NET	network indication
9	5V	5V power terminal, dc voltage input, rated 5V, support 4V -6V
ŵ	ѕѡітсн	Relay switch port
Ð	IR	XH254-3P infrared receive port
D	LIGHT	Brightness sensor port
Ð	HUMI/TEMP	Humidity /temp sensor port
Ø	AUDIO	Audio output port
ß	Ουτ	Scan data output network port, connect the full color receiving card



Hardware connection diagram



Using steps

The steps of using the controller described in this document are only the fastest for users to understand and use the controller, and the functions of the controller are not described one by one. For more functions, please refer to LedshowYQ 2018 software user manual.

Add screen

 Open"LedshowYQ 2018"software , click set screen parameters in setup menu, enter password "168" , then enter into parameter setting interface , Click Find , add screen.



Image 1



Online card list	BX-Y2
Series Type Y series BX-Y2 Vidth Height 1024 600 P Address	
192 168 0 3	Control area 1024*600
Screen Name	Max width 8192
	Max height 2048
nstall Address	



2. In add screen interface ,Click D button on the back of "online card list", then choice the online

controller to banned it to the screen ,then click add button.



Online card list	BX-Y2
eries Type / series BX-Y2 Vidth Height 1024 600	8 P.
192.168.0.3	Control area 1024*600
creen Name	Max width 8192
	Max height 2048
nstall Address	

Image 3

In the add screen interface, check "add all screens" to add all online controllers. As shown below the figure below

een List	Screen Parameters Scan Co	onfiguration Connect Configuration		
🔁 Group-1	Screen Name		C.	
Screen-1	Screen-4			
Screen-3	Install Address		BX-	Y2
Screen-6	Series	Туре		
Visio	Y series	▼ BX-Y2 ▼	-	A A A
	Width	Height		-
	1024	600	1	-
	IP Address			
	192.168.0.4	IP configuration		1000
	Barcode			
			Control area	1024*600
			Max width	8192
			Max height	2048
	Cross	Parameter	rs read-back	Set parameters
			548	
	/		ind	Class

Controller IP setting

Step 1

Click the "controller IP configuration" option under the "Settings" menu, as shown in the

following images:



Image 5

Step 2

Enter password "168" press OK

🐼 Password		X
Please Enter the	Password	

	ок	Cancel

Image 6

Step 3

In the "controller list" drop-down list under the "controller IP configuration" interface, users can see all the controllers that have been online. Click to select the controller that needs to modify the IP, then select the IP acquisition method, and then click the "Settings" button, so that the IP of the online controller can be successfully modified, as shown in the following image:

Online card list		
C0Y200190039 192.168	.0.188	- 3
Automatically obtain IP ad	ldress	
O Use the following IP addr	BSS 1	
IP Address	Subnet Mask	
192 . 192 . 192 . 192	192 . 192 .	192 . 192
Gateway	DNS	
192 . 192 . 192 . 192	192 . 192 .	192 . 192
Port	Install Addre	55
5005		
iLEDCloud		
O China	🗇 Internat	ional
Server IP Address	Server Port	
139 . 195 . 231 . 196	3800	(A) (Y)
FTP server IP address	FTP server p	ort
139 . 196 . 231 . 196	2121	*
User name		
		-

Image 7



Setting parameter

Step1

Click set screen parameter in setup menu.



Image 8

Step2

Enter 168 ,then click OK button



Step3



n List	Screen Parameters Scan Cont	figuration Connect Configurat	ion		
🔁 Group-1	Serroon Nome	00-	10		
Screen-1	Screen Name				
Screen-2	Screen-4				
Screen-3	Install Address			BX-	Y2
Screen-5					
	Carles	Turne			1. T. 1.
Screen-7	Sector				21
	Y teries	BX-Y2		3992	0
	Width	Height			
	1024	600	* *		Can .
	IP Address			0.	
	192.168.0.4	IP configuration			
	Parcada				
				Control area	1024*600
				Max width	8192
				Max height	2048
				1.8 <u></u>	
	Cross	Р	arameters read-	back	Set parameters
]	[Find		Close

Set the width and height of the screen , as shown below

Image 9

Step 4

Click "set screen parameter" to finish setting screen parameter, as shown bellow:

een List	Screen Parameters Scan Co	nfiguration Connect Con	figuration		
Group-1 Group-1 Screen-1 Screen-2 Screen-3 Screen-4 Screen-5 Screen-6 Screen-7	Screen Name Screen-4 Install Address Series V series Width 1024 IP Address	Type BX-Y2 Height 600	v v	BX-	Y2
	192.168.0.4 Barcode	IP configur	ation	Control area Max width	1024*600 8192
	Cross		Parameters rea	Max height	2048 Set parameters
	Cross.		Find		Close

WIFI SETTING

There are two types of WiFi operation modes supported by Y series controller: AP mode and STA mode. No wiring is needed, so it is convenient to move to different occasions and easy to operate. (if the computer does not have a wireless network card, please use a USB wireless network card.)

AP mode(Controller as a hot spot, let the computer connect to the controller WiFi) Step 1

Open the network connection of the computer, the controller hotspot name is the barcode of the controller by default, and click Connect, as shown in the following figure:



Step 2

Enter the network security key. The initial password is 8 digits after the serial number of the control card. Then click "next", and the computer will connect to the YQ controller WiFi, as shown

	並接到网络			x
	键入网络安全部	寄钥		
	安全密钥(S):	□ 隐藏字符(Ð]
in the image:			确定	取消



Step 3

After the computer is successfully connected to the controller WiFi hotspot, the ledshowyq 2018 software can be opened for normal screen adding, program editing, program sending and other operations.

Step 4

Users can modify the hotspot name and password. Through "WiFi configuration" under "Settings" under the menu bar, first enter the password "168", then select the "AP WiFi" label in the pop-up dialog box, input the new WiFi name and password into the corresponding "hotspot name" and "password", the rest remain default, and finally click "Settings", then the hotspot name and password are successfully modified, as shown in the figure below. (Note: please do not set the hotspot name to Chinese, the password supports numbers, letters, and the length is 8-32 bits.)

🛃 WIFI配置 (C0Y2L01807300001 / BX-Y2L)	×
WiFi AP WiFi	
热点名称	
家 码 (832)	
✓ 使能DHCP服务	
IP地址	
192.168.22.1	
子网掩码	
255 . 255 . 255 . 0	
Click	
设置	

1. STA mode (Controller connected to external WiFi network)

Step 1

Select the "WiFi" label and click the "Refresh" button in the lower left corner. After a few seconds, all the searched WiFi names will be displayed under the WiFi list. Select the WiFi name to be connected, enter the "password" of the WiFi, and then select the method of "automatically obtaining the IP address" or manually filling in the IP address. Click the "connect" button in the lower right corner of the interface to connect to the WiFi.

10 B	•
WiFi	
Ssid	Password
IP Address	Gateway
IP Address	Gateway
192.168.1.2	192 . 192 . 192 . 192
Subnet Mask	Port
192 . 192 . 192 . 192	5005
Server mode	
China	International
Server IP Address	Server Port
192 . 192 . 192 . 192	8009
FTP server IP address	FTP server port
192 . 192 . 192 . 192	8009
User name	

Image 14

Step2

After successfully connect ,remove the YQ controller network ,connect the computer with the

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wireless router ,network cable connect or WIFI connect both is ok.then the LedshowYQ 2018 will communicate with the YQ controller correctly.

Scan Configuration

In the "set screen parameters"--click "scan configuration" option ,then go to the scan configuration interface, as shown in picture , user can set "scan mode" color channel" data polarity" OE polarity "chip model" smart scan configuration and "scan mode export/import".

een List	Screen Parameters	Scan Confi	guration Di	splay pa	arameter cond	figurat	ion		
└── 分组-1	Quick 1/32 (1/32) 16.0 16.1 16.2 16.3 16.4 16.5	●1/16 ○1	/8 01/4	01/2	Static O) Other	Full color	. v	e
	Mainstream module P4 64 ×32 T75 P5 32 ×32 T75		Color change	al	Data Bolavitu	05.0		Chie tupe	
	Mainstream module P4 64 x32 T75 P5 32 x32 T75	root a	Color chann	el	Data Polarity	OE P	plarity	Chip type	
	Mainstream module P4 64 ×32 T75 P5 32 ×32 T75 Scan mode import/ex	xport ▼	Color chann R - G - B	el V	Data Polarity Positive V	OE Pri Low	olarity ~	Chip type General chip	
	Mainstream module P4 64 ×32 T75 P5 32 ×32 T75 Scan mode import/ex Smart scan	xport ▼	Color chann R - G - B	el V	Data Polarity Positive V	OE Po Low	olarity ~	Chip type General chip Setu	đr

Image 15

1. Module cascade direction :

There are 4 modes of module cascade direction: From right to left ,;From left to right ;From bottom to top, From top to bottom

2. Basic scan mode option:

Scan mode : select the quick、1/32、1/16、1/8、1/4、1/2、static and other mode .indoor dual

color usually is 1/16, indoor full color usually is 1/8 $\,$, outdoor dual color normally is 1/8,outdoor $\,$

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full color normally is static scan mode.

- Screen : can select the full color ,single/dual color
- ◆ Color channel : select the R-G-B、R-B-G、G-R-B、G-B-R、B-R-G、B-G-R。
- Data polarity : positive and negative polarity, if select the negative ,the screen will display anti-white.
- OE polarity : high polarity and low polarity.
- Chip model : LED driver chip ,default is common chip,user also can select the specified chip model.

3. Smart scan configuration

User can use smart scan configuration to set the scan mode if don't know which one is suitable for the module.

Step 1

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

- Screen type : single color dual color and full color
- Module width : user can input the module width according to the LED screen total pixel for one line.
- Chip type : default is general chip ,also can specified the LED screen chip.
- Row decode mode : including no decode, 138 decode,74HC595 decode and RT5958 decode , usually select138 decode.
- Empty points : when use empty points ,can input the empty points numbers.
- Module cascade direction:receiving card connection direction :from right to left ,from left to right,from top to bottom,from bottom to top.
- After setup, pls click "next step"



Smart setup wizar	rd-1		×				
Module information							
Screen type	Module height	Driver chip					
Full color 🔻	16 🚍	General chip	Select driver chip				
Row decode mode	Empty points						
138 🔻	0 🚖						
Module cascade direction	n						
🔘 From right to left	: 01	From left to right					
From top to bott	om 🔘 I	From bottom to top					
Module width must be the actual width of the module, otherwise screen will display abnormal!							
		Next step	Cancel				

Image 16

Step 2

In the "smart setup wizard-2" to set the parameters as shown in the picture.

Smart setup wizard-2	×
Screen changes	
Status automatically changes one time every 4 seconds, observe the LED module display state to choose right answer	in
○ 1 ● 2	
Display status State 1 display black, state 2 display white	•
Previous step Next step Cancel	

Picture 17

Click "1", check the LED screen display black or white , then click the "2", then check the screen is black or white, if user want to check the screen variation , can select the "status automatically changes one time every 4 seconds , observe the LED module in display state to choose right answer "then click "next step"



Click "1", check the LED screen display black or white , then click the "2", then check the screen is black or white, if user want to check the screen variation , can select the "staus automatically changes one time every 4 seconds , observe the LED module in display state to choose right answer "then click "next step"

🛃 Smart setup	wizard-3 ×
Screen changes	
Status autor display state	natically changes one time every 4 seconds, observe the LED module in to choose right answer
○ 1 ● 2	
Display status	State 1 to 2 low brightness \sim
	Previous step Cancel

Image 18

Step 4

Click "1",check the LED screen color ,then click the "2"to check the screen color,if user want to check the screen variation ,can select the "staus automatically changes one time every 4 seconds ,observe the LED module in display state to choose right answer "then click "next step"

Status automaticall display state to cho	changes one time every 4 seconds, ose right answer	observe the LED module i
Display status 1	Red	~
O Display status 2	Green	~
O Display status 3	Blue	~
O Display status 4	Black	~
	Previous sten	Capcel

Image 19



Step 5

Set the lights up number of rows ,then click the "next step"

🜆 Smart setup wizard-5	\times	
Screen changes		
Screen lights up the number of rows		
Previous step Next step Cancel		

Image 20

Step6

Count the LED screen lights up the number of rows ,then click "next step"

🚱 Smart setup wizard-6	\times	
Screen changes		
Screen lights up the number of rows		
Previous step Cancel Cancel		

Image 21

Step 7

Set the module scan mode as shown in picture 48 ,then make coordinates as shown in picture 49,click "reset"then will prompt the Picture 50.then save the scan mode .



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
ł																
5																
5																
1																
3																
9																
0																
1																
12																
13																
14																
15																
16																





Image 23





Image 24

At last in the scan configuration interface will display the recommend scan



Image 25

Connection configuration

BX-Y2 needs to use together with receiving card $bx-v75 / bx_v / bx_v75l$.Next we configure the receiving card. In the screen parameter setting interface, click the connection configuration tab to

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enter the connection interface, as shown in the following figure. In the connection configuration interface, the user can set the number of horizontal and vertical receiving cards, as well as the relevant parameters of the serial number, width and height of the corresponding receiving card according to the actual situation. Finally, click set the connection of the receiving

Screen List	Scre	en Parameters	Scan Config	uration Connect	t Configuration	Display paramete	er configur: •
	Col	tandard connect count Row co 3 🛊 5	ion O Comp ount Data gro	olex connection	Custom	리 는 드 디 I	
		1	2	3		^	
	1	Port:No set Rxc:No set W:128 H:96	Port:No set Rxc:No set W:128 H:96	Port:No set Rxc:No set W:128 H:96			
	2	Port:No set Rxc:No set W:128 H:96	Port:No set Rxc:No set W:128 H:96	Port:No set Rxc:No set W:128 H:96		No.	1 🚔
	3	Port:No set Rxc:No set W:128 H:96	Port:No set Rxc:No set W:128 H:96	Port:No set Rxc:No set W:128 H:96		Hei	128 🜩 📕 ght 96 🜩 📗
	4	Port:No set Rxc:No set W:128 H:96	Port:No set Rxc:No set W:128 H:96	Port:No set Rxc:No set W:128 H:96		• •	Output swap Dutput offset
	[Custom netwo	ork port output	Custom			Setup
			Parame	ters read-back	Set paramet	ters	Close

Image 26

Step 1: fill in the number of horizontal and vertical cards according to the actual number of receiving cards and installation location.

Step 2: select the location of the receiving card according to the connection sequence of the receiving card. Click at the receiving card location.

Step 3: set the load width and height of the selected receiving card.

Step 4: click the "set receiving card connection" button to complete the receiving card configuration.

Reset screen parameter

Select the "reset screen parameter" function under the "setting" menu, and the screen

card



parameters of the controller will be reset, as shown in the following figure:

File(F) Edit(E)	Setup(S)	Advanced(A)	Group(G)	Language(L)	Help(H)
	Set S	creen Parameters			((a))
Program Notice V	Reset	t screen parameb	ers	het Database	Sensor Color
13 13 ↑ ↓ 15 1 2 - Group - 1	IP co MAC Firmv Electi WIFI Serve	nfiguration address configu ware maintenanc ric Relay configu configuration ar configuration	ration e ration		
	Com Adju: Adju: Turn Turn Turn	Correction time Adjust Brightness Adjust Volume Turn on Turn off Time for switch			

Image 27

MAC setting

Select the "MAC configuration" function under the "Settings" menu, and enter the password "168". The user can choose to query or automatically refresh the MAC address of the controller in the local area network, and then configure the Mac, as shown in the following figure:

ᆋ✔ MAC address configuration (Group-1 / 屏幕	x
Online card list	
-	0
Make sure only one controller is in the LAN when use this function!otherwise ,it will set all the LAN controller as the current MAC address.	ı
Check Auto refresh Setup	
	:

Image 28

Controller connect to the wireless router

After set the controller IP ,we should remove the computer network cable ,then connect with router .usually we use two kinds of router ,3G industrial wireless router and 3G/4G industrial router, users can set according to different router model.

1.Connect the 3G industrial wireless router

Step 1

Insert the SIM card to 3G wireless industrial router ,connect the receiver then use 5V power to connect with the router , as shown in picture .



Image 29



Step 2

The network cable connects the router and controller, as shown in the figure below.



Image 30

1. Connect to the BX-4G(U) Step 1

Insert the sim card to BX_4G(U), after connect the controller , connect the 5V to router, as shown in picture $\ _\circ$



Image 31



Step 2

USB cable to connect the router and controller (attention: after controller connect with the server, the yellow light is fast blinking /200ms; if controller didn't connect with the server, the 4G router is online ,then the yellow light is slowly blinking /2s)as shown in picture .



Image 32

Step 3

After controller connect with the 3G/4G industrial router ,if u use the router for network , should check if the router have the "NetSniper" function or not ,must close the NetSniper function ,if not ,the controller can't communicate successfully.as shown in picture .





Image 33

WEB server communication

All Y series controller can compatible with iLEDcloud server communication ,user can control or monitor any display screen anywhere.

1. Set WEB server

Open "ledshowyq 2018" software, click "controller IP configuration" under the "Settings" menu, enter the password "168", check "iledcloud" under "server mode", select "China Station" or "international station", then enter the account number of iledcloud platform after "user name", and the rest remain default, and finally click "Settings". As shown in the figure below.



Online card list	
	• 0
Automatically obtain IP ad	dress
Use the following IP address	955 :
IP Address	Subnet Mask
192 . 192 . 192 . 192	192 . 192 . 192 . 192
Gateway	DNS
192 . 192 . 192 . 192	192 . 192 . 192 . 192
Port	Install Address
5005	
✓ iLEDCloud	
China	International
Server IP Address	Server Port
149 . 129 . 145 . 83	3800 🚔
FTP server IP address	FTP server port
149 . 129 . 145 . 83	2121 🚔
User name	
or (Aussia) indefenderer (

Image 34



Image 35

Make sure the controller is online then open <u>www.iledcloud.com</u> 如 if the controller connect with

the network successfully ,user can check the controller ID name ,screen width ,height and online

status, , as shown in picture , if want to modify the screen name pls click if want to modify the



iLEDClo	🕕 iLEDCloud Multimedia Releasing Platform v1.3.0 🖻 🎄 🦃 Welcome yolanda zhou 🕶								
Program		겺 Home > Resourc	æ > Screen						
Resource	~	Name	Width	Height	Location		Device code		Query
Material		Model (All)	Online (All)	 Comment 					AReset
▶ Screen					15	*		zla	ds
愆 System Settings		Online		₹Q₽		-•••	G	Ċ	Ċ
۲		ID Name	Reset task Restar Width Heig	h Department Locatio	Update firmware r Device code	Brightness	Correction time Onlir Last on / Firm off time vers	Power on nware sion	Power off peration
				1 26					

Image 36

2. Create new program

Switch to the "program "--"program edit"--"create new program "then write the manufacture and products name ,then select the device and click "finish" as shown in picture .



1	iLEDCloud Multime	dia Re	eleasing Platform v1.	3.0				P	¢	Welcome yolanda zhou 👻
₽(岱 Home > Program > Progra		Create New Program				×			
		₽ Sc	Manufactory		-	Product	Ţ			
ŝ		Ľ÷ k ∕∕	Manufactory:			Product:	· .			0
\odot			Type content							<u>í</u>
Ŭ			Size Mo	odels	Screen l	ist				
			Open Program				Finish->			
			opennogram							

Image 37

3. Edit program

After edit the program ,in the program page ,user can add multi area,picture ,video ,text ,after edit ,pls click "save" , as shown in picture .



Image 37



4. Release program

After the program is added, click the program release button



Image 38

User click the release button of each playlist can step into the release interface ,user can select

the next step to finish the release according to the release mode as shown in picture 91.

/

đ	iLEDCloud多媒体信息发	布平台v2.2.2								۵ 🔇	
₽(发布列表:单节目	列表Led	11[1个节	目]			×			
1		可用 名称	da HT	Sife	主位置 <i>时在位</i> 黑	雷注	▲ #tt	属性 计分区			
¥		▼ ■公相:/1)	3855	同辰	NILLIVE	11/16	- BH	. 祥式			
hti		✓ 屏幕86	64		上海·上海·徐汇·上述	在线 64x32:100%		大小			
ഫ								宽度			Ē
©											
								25回			
								长度			((●)) /=======
											- CS
									rgb(255, 2	255. 0)	いていていていていていていています。
								计样元			-ÿ~
) _1_共1页 ()) (>) <u>10</u>	1.1 共	1条 党度			
		可跨页多选已选择	: 1 块屏幕					<i>则</i> 巴 始十样于			
		<u>२</u> ■高級选项					←上―歩 2	え布→ 长度			





ADD PROGRAM STEPS

Add program

1. Add program

Add area then add program ,user can add program ,picture ,subtitle ,video,time ,weather or

sensor and database area, as shown in picture :





- Picture zone : add and play video, picture , text, table、txt、word、excel、flash、gif etc.
- Subtitle zone : add one line simply format word

Video zone : add all series video format,support HDMI video and outer video signage like:camera,TV card ,DVD machine ect.

- Time zone : display time/dial/lunar/ timer count up/timer count down
- Weather zone : support all area weather value
- Sensor zone : display temp、humidity, noisy, water, liquid and other sensor value.
- Database zone : visit mysql or sqlserver , display specified data content of the database.
- 2. Program attribute

Program Name Program-1	
Order Play 1	Play Period Start 0:00:00 End 23:59:59
Play Aging	U Week Setup
Start 2017/12/ 1 🔹 End 2018/12/15 🗘	🗹 Mon. 🗹 Tues. 🗹 Wed. 🗹 Thur. 🗹 Fri. 🗹 Sat. 🗹 Sun.

Image 41

- Program name : edit program name
- Orderly play : after play this program ,then turn to next program

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- Play time : set play time ,after this time setting ,then turn to next program
- Play aging : play program during the setup time.
- Play period : play program during the start time and end time.
- Week setup : play program during the setup week

Add picture zone

1. Add picture zone



Add **Picture** zone ,user can click "edit"in the menu to add picture zone also .after add the picture zone ,add file to display as shown in picture ,after add picture ,the LED screen and preview area will display at same time ,then user can modify the program as needed.

User can use the tools to modify the picture size and location.



2. Picture zone attribute

All picture attribute as shown in image 43

Name	display effects	Window Alpha
Picture-1	Random Display ~	100
X Y	display speed	100
4 • 4 •	1 *	20
Width Height	Residence time(s)	Background Transparent
128 🜩 96 🔹	 1	Background Transparent



- name : user can distinguish file name by this ,can modify by manual.
- X : file left up corner to the LED screen left boarder location ,unit is pixel.
- Y : file left up corner to the LED screen up boarder location ,unit is pixel.
- Width : file area width ,unit is pixel
- Height : file area height ,unit is pixel

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• Display effects : default is random, the display effect :quick type, static display, continuously move

up /move down/move left/move right,push up ,push down and so on.

- Display speed : display speed is from 1-16, 1 is fastest.
- Residence time : stay time from1s-128s,1s is the shortest time.
- Window alpha : File area alpha from 20%-100%, 100% is opacity
- Background transparent : select here ,the background will be transparent

Finish edit program

After the up steps ,if want to add other program ,just follow the same steps is ok ,after finish the edit program ,pls remember to save into the DISK,click menu--save play files.

Play program



If want to display the current program,click Send , then the preview window and screen will display program at same time ,if want to play different program file,open the program file and

play is OK.

AREA EDIT USER MANUAL

Play subtitle

1. Add subtitle zone



Click Subtitle to add one or more subtitle ,user also can add subtitle from menu --add subtitle

then click to edit the subtitle. The subtitle can be file text or from the text window input.but the subtitle can't support the enter function.



■ txs_1.txs					\times
🗋 🗃 🔛 Tahoma 🛛 🗸	ANSI_CHARSET	12 ~	BIU	+ ☆1 +	
welcome to use ONBON					^
					\sim

Page Count=2 Char Count=20 The word spacing to adjust the contents of only selected

2. Subtitle attribute

- Add : add new subtitle ,not save the original one
- Open ²: open*.TXS.
- Font 床体
 : click the list to select different font
- CHARSET GB2312_CHAF : click to select the CHARSET

Font size 10 I set the font size ,the value from8 ~ 200 , user can select in the list or input by manual

- Bold **B** : click to bold the font
- Italic I : click to make Italic font
- underline **U** : click to make underline font.
- Font color = : click to select font color
- Character spacing 🔀 : click to set the character spacing
- Page index 1 = : if the file have multi-page, user can use this function to check the page as wanted ;

• Statistics input the total page count and char count, then adjust the word spacing of the selected

contents. Page Count=2 Char Count=20 The word spacing to adjust the contents of only selected

Image 44



<u>Play video</u>

1. add video

Video .

Click to add video ,HDMI video or outer video source,user also can use the "add video zone" function to add video.LedshowYQ 2018 support all kinds of video format like :rmvb, mp4,

Image 45

flv、mpg、vob、mkv、f4v、mpeg etc.

Name	🙆 🕇 👃	× @	Scale Mode	Progress	
Video-1	Progress	FileName	scale Node	0:00:00	0.00.00
X Y	0%	F:\41.mp4	Window Ratio ~		0.00100
4 🗘 4 🜩			Volume		
Width Height			50 🜲		
128 🜩 96 🜩					

2. Video attribute

User can modify the scale mode ,volume and progress as wanted.

- Scale mode : can used for scale widnow ratio or original ratio.
- Progress : user can drag the bar to fast forward or backward the program.
- Volume : change the video volume from 0 to 100
- Outer video source : can select the CVBS or HDMI as the video source.

TIME

1. Add time



Click Time in the menu, select the time ,lunar or timer ,also user can select the "edit"--select the time zone ,dial zone ,lunar zone or timer zone.

2. Time attribute

1) Time zone

After add the "time zone" user can set the time parameters as shown in the image 46.

Name	○ Single					
Time-1 X Y 12 12 12 1 Width Height	Font Arial v 12	2 ÷ B I U ■ ■ = Time +/- Hour Minute	□ 2000年12月30日 · · · · · · · · · · · · · · · · · · ·	► 100 100 -		
113 🗘 64 🜩		· + · 0 • 0 •	☑ 20时59分59秒 🗸 🔍	20		
		Image 46				

2) Dial zone

After add the "dial zone" user can modify the dial parameters as shown in image 47.



Name	Custom Text	VYYY/MM/DD	🗌 Week	Time +/-	Hour	Minute	Clock Style
Dial-1	北京	2000年12月30日 ~	星期一~~	+ ~	0	0	0 ~
X Y	Unit Type	Font Name		Font Size			
20 🜩 20 🜩	Dial ~	Arial		12	+	BIU	1 ↓ ← → ∅
Width Height	3.6.9 Attributes	Hour Attributes		Minute Attributes		H	lour Minute Second
96 🗘 96 🗘	Round ~ 2 +	Round ~	2	Round	~ -	1 🛊	· · · ·

image 47

3) Lunar zone

After select the "lunar zone", user can set the lunar parameters as shown in the image 48.

Origina 🔀 I AutoFit Prev	view rate: 100% Top Laver	Bottom Upper Laver Laver	Lower Maximi Laver ze		
Name	🔘 Single		Multi-line		Window Alpha
V V 0 Width Height 91	Font Arial Custom Text	• 12 • B	и п 🖹 🗐 🗐	 ✓ Heavenly Stems ✓ Lunar Calendar ✓ Solar Terms 	100 ÷

Image 48

4) Timer attribute

After select the "dial zone" user can set the timer parameters as they want .

Name	🔾 Single 🤅	Multi-line	🗹 Display Unit	Accumulation	Window Alpha
Imer-1 X Y 20 20	Font Arial ~	12 ÷ B I ∐ ≣	≣≣□▼	 ✓ 天 小时 	■ 100
Width Height 42 • 64 •	Custom Text	Target Time 2018/ 1/ 1	23:59:59 🛓	□ 分 □ 秒	20

Image 49

Weather zone

1. Add weather



Click Weather , or user can use the "edit"--"add weather" to add one weather zone.

2. Weather attribute

After add"weather", user can set the weather parameters as shown in the picture.

Name	Data source	Display style		✓ Icon 24*24 ×	Wind	display effects	Window Alpha
Weather-2	China Weather 🗸	Today 🗸 🗸	Multi-line 🗸 🗸			Static Display 🗸 🗸 🗸	100
X Y	City			🗹 Weather	□ co	display speed	
24 🜩 24 🜩	北京 ~	北京 ~	北京 ~	City		1	100 🗘
Width Height	Font Name	Font Size		🗹 Temperature	🗆 ст	Residence time(s)	
128 🜩 96 🜩	Arial \checkmark	10 🖨	− B <i>I</i> <u>U</u>	Air quality		1	20

Image 50

1) Temperature sensor

After select "temperature" user can set the temperature value as shown in the picture.



Name	sensor type	sensor address	Temperature unit	Decimal places	Correction	unit scale(%)	Window Alpha
Temperature-1 X Y	Temperature V	Temperature Port $$	Degree Celsius 🗸 🗸	1	0 🔹	100 🔹	1 00
28 28 • Width Height 48 • 24 •	Custom Text	Font Arial V 12	÷ B / U	Normal Condition	s Limit valu	ue Threshold	20
			Image 51				

2) Humidity

After select the humidity ,user can modify the humidity parameters as shown in picture .

Name Humidity-1 X Y	sensor type II-Humiture	sensor address Humiture Port 1 v	Humidity unit Humidity(%RH) ~	Decimal places	Correction	unit scale(%) 100 🜲	Window Alpha
32 🗘 32 🌩 Width Height	Custom Text	Font	No	rmal Condition	s Limit val	ue Threshold	100 🔹
73 🗘 24 🗘		Arial ~ 12	₽ B I U	► Less than	~ 25	•	20

Image 52

3) Noise

After select the humidity ,user can modify the noise parameters as shown in picture .

Name	sensor type	sensor address	Noise unit	Decimal places	Correction	unit scale(%)	Window Alpha
Noise-1 X Y	I-Sound Level Met \lor	Noise Port 1 \sim	Decibel(dB) ~	1	0 🗘	100 🜩	D 100
36 🔹 36 🔹	Custom Text	Font	No	ormal Condition	s Limit valı	ue Threshold	100 🌻
64 ÷ 24 ÷		Arial ~ 12		▼ Less than	~ 25	•	20

Image 53

4) Water

After select the humidity ,user can modify the water parameters as shown in picture .

Name Water-1 X Y	sensor type Water v	sensor address Water Port 1 v	sensor unit Unit(cm) ~	Decimal places	Correction 0	unit scale(%) 100 🔹	Unit coefficient	Window Alpha 100
40 🗘 40 🗘 Width Height	Custom Text	Font	12 B		Normal Condit	tions Limit	t value Threshold	100 🜩
57 🔹 24 🚔		Arial	12 T	10	Less t	than V 25		20

Image 54

5) Liquid

After select the liquid, user can modify the liquid parameters as shown in picture .

Name Liquid-1 X Y	sensor type Liquid v	sensor address Liquid Port 1 v	sensor unit Unit(m) ~	Decimal places	Correction 0	unit scale(%) 100 🔹	Unit coefficient	Window Alpha
44 ↓ Width Height 64 ↓	Custom Text	Font Arial ~	12 🖨 B	Σ Ū	Normal Condi	tions Limit than V 25	t value Threshold	100 🔹 20
			Image	e 55				

6) Sensor



After select the sensor ,user can modify the sensor parameters as shown in picture .

Name Sensor-1 X Y	sensor type Atmospheric p ∨	sensor address Port 1 v	sensor unit Unit(kpa) ∨	Decimal places	Correction 0	unit scale(%) 100 🗘	Unit coefficient	Window Alpha
48 48 • Width Height 64 • 24 •	Custom Text	Font Arial ~	12 🔹 B	I U	Normal Condit ▼ Less t	ions Limit han √ 25	value Threshold	100 🔹 20

Image 56

Database

1. Add database



Click Database to add database or user can edit the database in the menu-"edit"--"add

database zone"



2. Database attribute

Click attribute area Picture , user can select the DB Type,name ,IP ,password ,port ,update time and other parameters ,then click "enter".



🌆 Edit - Database	-1 ×
DB Type	
sqlserver	~
DB IP	
UserName	Password
DB Name	DB Port 🗌 Update Time
	1433 🔺 5.0 🔺 (s)
	Enter Cancel



User also can write the "database" type in the attribute area, ,user name and

password, database name and port and other parameters. (for example we connect one sqlserver

database table ,mysql is similar)

Firstly select the "sqlserver", database address: 112.65.245.174, user name: sa, password:

123456, database port: 1433, other parameters keep in default is OK as shown in Picture 114, fnish

all and then click Picture to connect with the database.

Name	🔹 🗙 🗟 🍰					
V V		DB Type	DB IP	UserName	Password	
		sqlserver 🗸				
Width Height		DB Name	DB Port	🗌 Update Time		
128 🔹 96 🔹			1433 🔹	5.0 🔹 (4	;)	

Image 59

3. Database attribute

When user connect with the database then click is to set the database table .in the prompt page as shown in picture 115 ,user can modify the parameters of the database table (here we connect with CUSTOMER table ,for example)



🛃 Edit - Database-1	
Header Property SQL CUSTOMER	
Grid Color Line heigh	nt Line width 🔲 Display lines
Background	
Column Property id user_name company mobile_no email password user_state	Alias \square Wrap Line automatically Font $\widehat{\mathbf{x}} \triangleq \mathbf{D}$ $\square \blacksquare \mathbf{B} \mathbf{I} \ \underline{\mathbf{U}} \blacksquare \equiv \equiv$ Background Odd Lines
delete_flag delete_time delete_customer create customer	Text
Display lines	Odd Lines Even Lines Conditions

Image 60

- SQL : in the SQL list select one table named CUSTOMER
- Grid color : set the database table color ,here is default.
- Line height : line height for the database gird ,here is default
- Line width : line width for the database gird ,here is default
- Display lines : line numbers or the database gird ,here is default
- Background : user select one of pictures as the database background
- Column property : user can select the "column property" as shown in picture 115, here we select three column name
- Wrap line automatically : after selected , the database gird size and contents will change line automatically
- Column font size : set the column font size ,here is default.

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- Bold : set the font size as bold ,here is default
- Italic : set the font size as italic ,here is default
- Underline : set the font size as bold ,here is default
- Left aligned \centered \ right alignment: set the column text alignment to left, center or right alignment.Select the default here.
- Background color : user can set the column odd lines and Even lines background color ,here select the default.
- Column font color : set column font color ,now odd lines select red color ,the Even lines select the blue color

After setup the attribute ,we wish to named the gird as CUSTOMER , the gird lines is yellow ,line

height is 23,line width is 1 ,display the first three columns,the odd lines is red color ,the even lines is blue ,other value is default.

🛃 Edit - Database-1	×
Header Property	
SQL	
CUSTOMER	▼
Grid	
Color Line heig	ht Line width 📄 Display lines
23 🊔	1 😴
Background	
Column Property	
👿 id 🔺	Allas
📝 user_name	id 📃 Wrap Line automatically
📝 company	Fort
mobile_no	
email .	
password =	Background
delete fleg	Odd Lines Even Lines
delete time	Conditions
delete customer	
create_customer	Text
📄 is_login 📼	Odd Lines Even Lines
🔲 Display lines 🔪 👃	

Image 61

User can select the display order use the direction arrow as shown in image 62.







After setup , exit the "database parameters" attribute page ,in the display window of the software ,can preview directly database contents as shown in , picture 64.and then click "send" so the LED screen can update database gird in real time .as shown in picture 65

🛃 LedshowYQ 2016 ASYNC N	Aedia Editor!!!仅供内部测试,严禁用于外部项目!!!			
File(E) Edit(E) Common(C) Setup(<u>S</u>) Advanced(<u>A</u>) Group(<u>G</u>) Language(<u>L</u>) Help(<u>H</u>)			
AddScreen New Open Sa	🔹 🚊 证 🖓 🖬 🙀 👘 🖓	er Sensor Database Delete Volum	e Brightness Correction time	
□- 🖉 🔁 分担-1 □- 🖉 💭 Screen-1 □- 🧭 票 席尊-1 □- 🧭 💭 Program-1 □- 🖉 🛄 Database-1		nd user_name	company ONBON	
		2 helv	onbon	
		3 Test	test	
		4 Test00	on	
		6 chenm	yangb	
		7 chenm2	仰邦	
		8 chenmõ	уу	
		9 fenghy	ONBON	
		12 onbon_service	有限公司用工品本	
		13 ncdztw168	研究所	
		14 pllf001	平原龙飞	
		15 zhangkai	仰邦长沙办事处	
		16 ONBONEXSD	临近伊邦办事处	
		17 安口胜追北	安日陸連 手支利士な町へ回	
		16 XCH	不完替我有限公司	
	Origina AutoFit Preview rate: 100 % Top Bottom Laver Laver	Upper Lower Maximi Laver Laver ze		
	Name	B Type DB IP User	Name Password	display effects Quick Type *
		alserver 👻 112.65.245.174 sa	*******	display speed
	Width Height D	B Name DB Port 🕅 U	Jpdate Time	Residence time(s)
	128 🜩 96 🌩	1433	5.0 🐳 (s)	3
1				

Image 64



Ba	user_name	company	nobile_no
368	1189189189	南昌海神	13732957986
369	tzchending	CDtech. co	13958671810
370	libin7758	临沂办亊处李彬	18669698859
371	ningzhudi anzi	德州天星电子科	0534-3288608
372	sergei	555522 ga	555522g#
373	NYPDZ	南阳市壹品电子	15537710111
374	danpus en	丹普森光电	15986769296
375	aabb	济南	
376	<pre>#fsflcpfxzx</pre>	滯坊市福利彩票	0536-2600209
377	wffezz	課坊市福利彩票	0536-2600209
378	abba	内蒙	
379	000000	齐翼	15653603301
380	417730819	郑州办	13525519293
381	guzong123456	山西捷原科贸有	7234691

Image 65

Firmware maintenance

1. Controller firmware maintenance

To make sure the controller software version is compatible with LedshowYQ software, user can maintenance controller firmware firstly ,in the "setup" --- "firmware maintenance" input password "888", as shown in picture .click "check" to find the connected controller, then click



ito update controller firmware ,then click "update".



irmware Maintenance FPGA	firmware maintenance Receiver	r card maintenance
Theck the Firmware		
Version	Modified Time	
App version	XSer version	
		Check
Controller Type	Version	Modified Time
		Update
Before update con	roller, FPGA firmware, please	confirm to match with the controller,

Image 66

2. FPGA firmware maintenance

To make sure the controller FPGA version is compatible with LedshowYQ software , user can maintenance controller firmware firstly ,in the "setup"---"FPGA maintenance" input password "888" , as shown in picture .click "check" to find the connected controller ,then click ^{IIII} to update controller FPGA firmware ,then click "update".



Check FPGA				
				Check
lpdate FPGA firmware				
irmware name				
				~
Controller type	Version		Create time	
				Update
A	11 PPCA C	- 1	a construction of the	1.
Before updat FPGA version technicists	e controller, FPGA firmware of the firmware, and pleas from this factory!	;, please confirm t ;e operate this fun	o match with the ction with the h	controller, elp of

Image 67

3. Receiver card firmware maintenance

To make sure the controller software version is compatible with receiving card, user can maintenance receiver card firmware firstly, in the "setup"---"firmware maintenance"---"receiver card maintenance", as shown in picture .click "check" to find the connected controller, then click click click click to update receiver card firmware, then click "update".



.	are mainten	ance (分组-1/Screen-1)				×
irmware	Maintenance	FPGA firmware maintenand	e Receiver car	rd maintenance		
Update r	eceiver card fir	mware				
Number	All 🗹	Controller type	Version	Send card	Port	Rece
C						>
- irmware	e name					
				Check	k Up	date
£	Before upda FFGA versio technicists	te controller, FPGA firmwa n of the firmware, and ple from this factory!	re, please con ase operate thi	firm to match wit is function with	h the contr the help of	oller,

Image 68

Common function

Time correction



Click Correction time , or user can use the "common"menu and select"correction time"to correct

time for the controller time and chip .

Brightness



Click Brightness , user also can use the "common" in the menu to select "brightness" function



🋃 Brightn	ess (分组-1/Screen-1)			×
● Ma	nual brightness	○ Timing brightness	O Automatic brightness	5
	Dark(1)		Light(255)	
			Setup	e
				.::

Image 69

As shown in Picture 69:

1. Manual brightness : manual drag the value rule then click"setup"to adjust the brightness.

Timing brightness : totally there are 4 time period ,user can select and set the brightness value as shown in picture 70.

Automatic brightness : after user connect with the sensor ,pls select "BX-VMF", as shown

in picture 125, brightness value can be default or customized, at last pls select

"setup"screen brightness will be changed according to environment temperature brightness.



 Manual brightness 			● Ti	ming brightness	 Automatic b 	rightness		
						Dark(1)	Light(255)	
	00	~	:	00	\sim			255 🌲
	06	\sim	:	00	\sim			255 🌲
	12	~	:	00	\sim			255 🜲
	16	~	:	00	~			255 🌲
							Cabur	Class

Image 63





Picture 70

<u>Volume</u>

Volume

Click Volume or user can change the volume from the menu --"common"--"volume"

<u>Turn on</u>

User can use the common--"turn on" to start the screen.

<u>Turn off</u>

User can use the common--"turn off" to close the screen.

Timer for switch

User can use the "common" function -- "timer for switch" to set the turn on & off time , as shown in

picture.



🛃 Time for switch	(分组-1 / Screen-1)	\times
🔘 setup	• Cancel	
Timing Setup turn on 0:00:01 + turn on 2:00:01 + turn on 4:00:01 + turn on 6:00:01 +	turn off 1:59:59 turn off 3:59:59 turn off 5:59:59 turn off 7:59:59	,
	Setup Close	

Image 71

Switch the storage medium

User can use the "common"--"switch the storage medium" to save the program to SD card or U disk or internal memory.



Advanced

Bulletin management

Bulletin management mainly used for insert bulletin.

1. Bulletin management

Click "advanced"---"bulletin management"--input password"888",as shown in picture .click \blacksquare ,

as shown in picture 72.

🛃 Bulleti	n Manage (🤇	合组-1 / Screen-1)		>	<
1	1 X @					
Name	Bulletin	Start Date	End Date	Valid		
L		Group Setup	5	Send	Del All Bulletin Close	
						:

Image 72

2. Bulletin attribute

In the bulletin attribute area can set the display location,running speed ,stay time ,font size,font color ,background color ,alpha or not ,play aging ,play period and so on.



🛃 Bulletin-1				×
Arial	✓ Unicode16	v 12 🔹 🗖 🗖	📕 100 🚖 🗌 Background Transparent	
Name		display effects	Play Aging	
Bulletin-1		Continuously Move $$	Start 1990/ 1/15 🖨 End 1990/ 1/	15
align		display speed		
be ahead of	~	1	Play Period	
Х	Width Height	Residence time(s)	Start 0:00:00 🖨 End 23:59:59	
		0		Jacobard
			Enter	Cancel

Image 73

3. Play /delete bulletin

After set all information then click "sending" to play bulletin ,or click "delete" to delete the

bulletin.

Bx	Bulletin Ma	nage (分组-	1 / Screen-2)			
7	1 1 4 >	< 🕸				
	Name	Bulletin	Start Date	End Date	Valid	
V	Bulletin-1	welcome	None	None	validity	
L						
			Group Setup	Send		Delete Del All Bulletin Close
						.::

Image 74

Start Logo configuration

Click "advanced' then start" start Logo configuration", log into the logo configuration as shown in

picture . user can set the logo width ,length and coordinate location.

🐼 Logo 🛛	(分组-1 / Screen-1)				×
setup	2		00	Cancel	
Size Width	128	•	Height	þ28	×
Logo L	ocation				
Location					
Х	0	*	γ	0	*
Logo File					
					Open
			Sett	ings	Close

Image 75

Screen debug

LED debug is mainly for fix the screen easily ,in the corner"LED" display can select open and close.

Click "advanced"---"Screen debug"then turn to the LED screen debug as shown in picture . user

can select open or close screen debug.



Image 76

Set IP display flag

IP flag means when there is no program in the controller ,the screen will display "pls add

program "controller model ,parameter ,IP etc . the IP display or not depend on the IP flag.

Click the "advanced" menu , in the display list , pls select "display IP flag" as shown in picture .





Image 77

Network time server

💁 Network time server (Group-1 / 屏幕-1) 💦 🗾
Automatic timing
Customizing the Network time server
120.25.115.20,202.112.29.82,ntp.aliyun.com,pool.ntp.c
(010+08:00)北京,重庆,省洛特别行政区,与省水方▼
Settings
Close

Image78

Set APN

Click the "advanced" menu on the main menu bar, and select the "set access point (APN)" menu item in the drop-down menu to enter the setting dialog box, as shown in the following figure. Users can fill in the name, user name, password and dial-up number of APN, and then click "set" to

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🐼 Set APN (Group-1 / 屏幕-1)	
APN	
cmnet	
User name	
CARD	
Password	
CARD	
Dial number	
*99#	
	Settings Close

complete the configuration.

Image79

Multi function card configuration

Bx-vmf and bx-y series multimedia player products can support sound transmission, multi-channel temperature and humidity, smoke and brightness sensor collection, etc. The multi-function card also supports multi-channel automatic switches: air conditioning temperature limit, fan dehumidification, large screen power supply, etc., which can be flexibly configured by users according to their needs.

Hardware connection





Lan



Brightness adjustment

The following is an example of adding a picture, after the external brightness sensor is

connected, the brightness of the picture on the LED display will change.

1. Add image

Click The second second click and the context of th

After adding text, select "still display" in "display effects" in the attribute area. As shown in the figure

below





BX-Y2

2. Brightness setting

Click the main toolbar button, or the user can select "auto lighten" in the pop-up dialog box through "Brightness" under "common" function in the menu bar. Check "bx-vmf" and finally click "Settings", as shown in the figure below

ming	brightness	Manu	al brightness	Automa	tic b	rightne	55								
•	Default Custom		▼ B×-VMF			16 15- 14-								*	
1	10	A V	9 873		eeu	13-	~								
2	24	1 ▼	0 1100	A. 	ay scre	12 - 11 -	£								
3	60	× 1	1 1793		f displ	10-									
4	148	1	2 3336	A V	level o	8-									
5	280	× 1	3 6207	A V	itness	6-									
6	437	* 1	4 11551	* *	Brigh	5- 4-									
7	550	<u>*</u> 1	5 21495	(A) (W)		3- 2-									
8	693	1	6 40000	A.V		1 	5000	10000	15000	20000	25000	30000	35000	40000	45000
									Am	bient bri	ghtness	(LX)			
												Setun		C	lose

Image 82

3. Brightness change display effect

Users can place the brightness sensor in a dark place, and the brightness of the picture displayed on the LED screen will be dimmed through the sensor's induction, as shown in the following figure:





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Switch relay function

Bx-vmf multi-function card provides up to 8 nos relay interfaces, and each relay interface supports AC 220v-3a input control or DC 30v-3a input control. It can be used to control LED panel power supply, cooling fan, etc. Support each relay switch function customization, remote command switch or automatic switch according to temperature strategy. By default, each relay switch enables power on delay to start, further reduces the power impact of LED screen start up, and increases the overall system reliability and equipment power security.



Image 84

1. Relay on

Users can select "turn on" function under "setup" function in the menu bar, as shown in the figure below. The LED screen will turn on, and the external relay switch will turn on at the same time. (when the relay switch of bx-vmf multifunction card is turned on, you can hear several "dada" sounds from the multifunction card.)



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2. Relay off

Users select the "turn off" function under the "setup" function under the menu bar, as shown in the following figure. The LED screen will turn off, the screen will be black, and the external relay switch will be turned off at the same time. (when the relay switch of bx-vmf multifunction card is turned off, you can also hear several "dada" sounds from the multifunction card.)

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3. Time for switch

Users can select "time for switch" function under "setup" function in the menu bar, as shown in the figure below. The external relay switch will also synchronize with the power on / off time set by

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Image 87

1) Open time switch

In the "time for switch " interface, the user can check "setting" and then check "turn on" under "timing setting" and adjust the time required to start and shut down. A total of 4 timing on-off times can be set respectively. After selecting the time, click "Set



Image 88

2) Turn off time for switch

In the "timing switch" interface, you can turn off the timing switch by checking "timing setting up" and then clicking "Setup".

Note: please ensure that the power supply of bx-vmf multi-function card can be normally powered on (normally powered on). Try not to use the same socket for the power supply of the multi-function card and the air conditioner, fan or large screen power supply of the external relay switch, so as to avoid the unstable power supply of bx-vmf multi-function card caused by the power on or off of the air conditioner, fan or large screen after triggering the relay switch, which will affect the positive of the function card Often used.

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