SHANGHAI ONBON TECHNOLOGY CO., LTD

Hot Backup Function of sending card User Manual

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Hot Backup Function of sending card User Manual

1. Introduction of Hot Backup Function

Hot Backup Function is very important, cause the system won't breakdown if there's problem. So, our Synchronous full color sending card supports hot backup function , if there's problem with the first sending card, the second sending card will keep on working too. Users can also use on the situation when you use two computers to control one screen at the same time, so, when there's problem with the first computer, you can use another one to operate. And when you use two LAN cable on on computer to control, if there's problem with the first LAN cable, you can work with another one.

One Computer Connects with Two Sending Card





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Two Computers Control the Same Screen at the Same Time



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Two LAN Cables in One Computer





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2. Preparation

One computer connects two sending card:

One computer, one-to-two DVI cable, two pcs sending cards, receiving cards, serial port cable, LAN port cables, power supply, etc.

Two computers control the same screen at the same time:

Two computers, two DVI cables, two sending cards, receiving cards, LAN port cables, serial port cable , power supply, etc.

Two LAN cables in one PC:

One computer, one DVI cable, one sending card, receiving cards, LAN port cables, serial port cable, power supply, etc.





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3. Operation Steps

3.1 One computer connects with two sending cards

Step 1

Use one-to-two DVI cable to connect with sending card 1, sending card two and computer, and connect receiving cards in each sending card, like below:





Disconnect the sending card 2 and computer, and configure sending card 1. Use serial port to connect with sending card 1 and computer. Like below:







Open LedshowTV 2017, click "set parameters" on "setup", like below:



Input password "888", like below:





Select "BX synchronous sending card" -- choose the correct serial port -- click "search send/receiver card", like below:

	Step	6	
-		-	

🛃 Parameters Setting				
Number of screens	Send device selection	1		
1 • OK	C Gigabit ethernet	 BX synchronous send card 	C OVP video processor	
Send device configuration	(and			
- III Screen 1	Serial port	ch send/receiver card	Choose BX	receiver card brand
Display parameter o Display parameter o English firmware maintenance Sound doutes firmware				
Seid device innivide Receiver card firmware Multi function card firmw				
≺				
Readback screen Parameters	Debug mode Automatic distrib	ution network port output C Custom network port	t output	

Set width, height and coordination for sending card 1, then click "setup", like below:



umber of screens	Send device selection			
• ОК	C Gigabit ethernet	BX synchronous send card	C OVP video proc	essor
Send device configuration	1000			
E Screen 1 	Serial port	ch send/receiver card Configuration		Choose receiver card brand BX Setup
Firmware maintenance Send device firmware Receiver card firmware Multi function card firmware	Custom network port output Send card 1(BX-VS) Right shift Down sh	ít. 0 ≑	Port 2	
		Width Height x 0 ➡ 1920 ➡ 320 ➡ x	0 🔮 📔	Width Height 0 → 1920 → 320 →
4 111				
				Load to send card
Save/Open parameters file 👻				

Configure the receiving card -- click "load to receiver card", like below:

Tarameters Setting				
Number of screens	Receiver card conne	ction(Front view so ion C Comple	reen) ex connection	
Send device configuration Receiver card configuration	Right shift Down st	nift Col count P	low count 3 🚔	Data group expansion Reset 힘더다다
Green 1 Green 1 Greever card conne Greever card conne Greever card conne Greever card conne Greever card firmware Greever card firmware Multi function card firmware Greever card firmware	1 Send card:1 Port:1 N:28 H:96 Send card:1 Port:1 2 Xc:14 W:128 H:96 Send card:1 Port:1 Send card:1 Port:1 Send card:1 Port:1 Send card:1 Port:1 W:128 H:96	2 Send card:1 Port:1 Rxc:2 W:128 H:96 Send card:1 Port:1 Rxc:5 W:128 H:96 Send card:1 Port:1 Rxc:8 W:128 H:96	3 Send Card:1 Port:1 Rxc:3 W1:28 H:96 Send Card:1 Port:1 Rxc:6 Send Card:1 Port:1 Rxc:9 Send Card:1 Port:1	Send card 1 Port 1_2 No. 9 $\stackrel{\bullet}{\checkmark}$ Width 128 $\stackrel{\bullet}{\checkmark}$ = Height 9 $\stackrel{\bullet}{\checkmark}$ II Empty card Output swap
Save/Open parameters file				Output offset
Save/Open parameters file Readback screen Parameters				Load to receiver card

Step 8

Disconnect sending card 1 and computer, configure sending card 2. Use serial port cable to connect with sending card 2 and computer. Connect DVI cable with sending card 2 and computer, like below:





Open LedshowTV 2017, click "set parameters" on "setup", like below:





Input	password	"888"	,	like	below:	



Step 11

Select "BX synchronous sending card" -- choose the correct serial port -- click "search send/receiver card", like below:

🜆 Parameters Setting						×
Number of screens	Send device selection	1				
1 • OK	C Gigabit ethernet	BX synchro	nous send card	C OVP video proces	sor	
Send device configuration	C.ST.					
Screen 1	Serial port	Search send/receiver card	Configuration	· [Choose receiver card brand	Setup
Display parameter o	The parameters of the	send card for the last saved paran	neter information!			
E 🖆 Firmware maintenance						
Send device firmware						
Multi function card firmu						
< >>						
Save/Open parameters file 🔻	Debug stade					
Readback screen Parameters	 Automatic 	distribution network port output	Custom network port	output		

${\tt Step \ 12}$

Set width, height and coordination for sending card 2 (should be the same with sending card 1), then click "setup", like below:



imber of screens	Send device selection					
• ОК	Gigabit ethernet	BX synchronou	is send card	C OVP video pro	cessor	
 Send device configuration Receiver card configuration 	135.00					
Creen 1 Receiver card conn E Scan configuration	Serial port	earch send/receiver card	Configuration	•	Choose receiver card br	and Setup
Display parameter of the parameter	Custom network port ou Send card 1(BX-V5) Right shift Dow 0 - □	put 1 shift 0 🚖	Port	.2		
	X Y	Width Heigh	t X	۲ • •	Width ⊢ 0 🐳 🚺 1920 🐳 🗍	ieight 320 👤
4 11						
	1				Load to send card	
ave/Open parameters file 🔻						

After finish the configuration of sending card 1 and 2, please connect them with computer by DVI cable. Like below:





Lastly, we can edit the playing program. Add area content -- click "play" button, like below:



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3.2 Two computers control one screen at the same time

Step 1

Connect computer 1 and sending card 1 by DVI cable, and use serial port to connect computer 1 and sending card 1 (get connection with receiving cards), like below:









click "set parameters" on "setup", like below:





Input passwords "888", like below:



Step 4

Select "BX synchronous sending card" -- choose the correct serial port -- click "search send/receiver card", like below:





Set width, height and coordination for sending card 1, then click "setup", like below:

🛃 Parameters Setting		×
Number of screens	Send device selection C. Ginahit ethernet BX synchronous send card C. OVP video processor	
Send device configuration		
i — I Screen 1 III Receiver card conne I Scan configuration	Serial port Serial port Choose receiver card brand Image: Search send/receiver card Configuration	
Display parameter or Send device firmware Preceiver card firmware Multi function card firmware	-Custom network port output Send card 1(BX-VS) } Right shift Down shift 0	
	Port 1 X Y Width Height 0 ① 0 ② 1920 ② 320 ② X Y Width Height	
4		
Save/Open parameters file 🔻	Load to send card	
Readback screen Parameters	C Automatic distribution network port output C Custom network port output	
Not detected serial, check the	serial cable is properly connected and installed serial driver!	-

${\tt Step}\ 6$

Configure the receiving cards, then click "setup", like below:

Setting Parameters Setting					
Number of screens	Rece (• s	eiver card conne tandard connect	ction(Front view : tion Comp	screen) lex connection	
Send device configuration	Righ	it shift Down sl	nift Col count	Row count	Data group expansion Reset 255 다 매 메 메
🖻 🗐 Screen 1	-	1	2	3	Send card
Receiver card conne Scan configuration Display parameter o Timware maintenance	1	Send card:1 Port:1 Rxc:1 W:128 H:96	Send card:1 Port:1 Rxc:2 W:128 H:96	Send card:1 Port:1 Rxc:3 W:128 H:96	Port 1 2
Send device firmware Receiver card firmware Multi function card firmw	2	Send card:1 Port:1 Rxc:4 W:128 H:96	Send card:1 Port:1 Rxc:5 W:128 H:96	Send card:1 Port:1 Rxc:6 W:128 H:96	No. 1 🚖 Width
	3	Send card:1 Port:1 Rxc:7 W:128 H:96	Send card:1 Port:1 Rxc:8 W:128 H:96	Send card:1 Port:1 Rxc:9 W:128 H:96	128 곳 로 Height 또 % 곳 II] Empty card
					Output swap Output offset
4 <u> </u>					
Save/Open parameters file 🔻					
Readback screen Parameters					Load to receiver card

Step 7

Connect computer 2 and sending card 2 by DVI cable, and use serial port to connect computer 2 and sending card 2 (get connection with receiving cards), like below:









Step 9

Input password "888", like below:





Select "BX synchronous sending card" -- choose the correct serial port -- click "search send/receiver card", like below:



Step 11

Set width, height and coordination for sending card 2 (should be the same with sending card 1), then click "set", like below:



umber of screens	Send device selection				
• ОК	Gigabit ethernet	 BX synchron 	nous send card	C OVP video pr	ocessor
Send device configuration	1000				
Screen 1	Serial port	arch send/receiver card	Configuration	•	Choose receiver card brand BX Setup
Display parameter o Display parameter o	Custom network port outp Send card 1(BX-V5) Right shift Down	out shift 0 _	Por	t2	
	X Y	Width He 0 ★ 1920 ★	320 🚖	0 🛨 📔	Width Height 0 ♀ 1920 ♀ 320 ♀
4					
Save/Open parameters file 🔻					Load to send card
	Debug mode				



Connect receiving cards with two sending cards, like below:







🖶 LedshowTV 2017 SYNC Media Player 📃 📼 💌				
File(F) Edit(E) Setup(O) Control(C)) Tools(T) Languages(L) Help(H)			
New Open Save Hide Editor	aylist Pause Stop Control			
╋╚┉╋╤╗╓╓╗╝	Program Name Program Page-1			
	Play Times I I			
Em LED screen1	Play aging Play time			
Program Page-1	Start 2017-07-03 - Start 00:00:00 -			
Program Page-2	End 2017-07-03 📩 End 23:59:59 📩			
	Week properties			
	Mon. 🔽 Tues. 🔽 Wed. 🔽 Thur,			
	🔽 Fri. 🔽 Sat. 🔽 Sun.			
	Background Setup			
	Background Music Volume			
	I			
Sending card mode UNCONNECTED	Did not find the send card			

3.3 Two LAN port cable in one computer to control the same screen

Step 1

Connect computer and sending card by DVI cable, and use serial port to connect computer and sending card (get connection with receiving cards by LAN port 1), like below:







Open LedshowTV 2017, click "set parameters" on "setup", like below:



LedshowTV 2017 : File(F) Edit(E) Setu	SYNC Media Player up(O) Control(C) To	ols(T) Language	es(L) Help(H)	
New Open Save	Screen Options Sensor Options Video processor	Pause Stop Con	trol •	1	
LED1	Software Options Background Play User management	ay Times ay aging	1 🔹 t	C Play Length	600 🚖 s
I Program Paç		d 2017-0 Veek properties Ion. IV iri. IV	7-03	End Wed. Sun.	23:59:59
	Pure Backs	ackground Setup Background ground Music Volu	me	Color Selected	00 🗢
Sending card mode L		at find the cend	card		

Input password "888", like below:

Password input	X
Please Enter the Admin Password	ОК
	Cancel

Step 4

Select "BX synchronous sending card" -- choose the correct serial port -- click "search send/receiver card", like



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		belo	ow:			
Arameters Setting						×
Number of screens	Send device selection					
1 • OK	C Gigabit ethernet	BX synchron	nous send card	C OVP video proce	essor	
Send device configuration	(aller					
E-III Screen 1	Serial port 🗡	Search send/receiver card	Configuration	•	Choose receiver card brand	Setup
Display parameter c	Send card 1(BX-VS) The parameters of the :	send card for the last saved param	eter information!			
E- 🚹 Firmware maintenance						
👔 Receiver card firmware						
느 🍷 Multi function card firmw.						
< >						
Save/Open parameters file 🔻	Debug mode					
Readback screen Parameters	 Automatic 	distribution network port output	Custom network por	t output		

Step 5

Set width, height and coordination for sending card 1(LAN port 1 and LAN port 2 should be the totally same), then click "setup", like below:

and an effective second	Constitution and advant			
1 OK	Gigabit ethernet	 BX synchronous send card 	C OVP video proces	sor
 Send device configuration Receiver card configuration 	(and			
E	Serial port	ch send/receiver card Configuration	•	Choose receiver card brand BX Setup
Display parameter of Tirmware maintenance Send device firmware Receiver card firmware Multi function card firmware	-Custom network port output Send card 1 (BX-VS) Right shift Down st 0 Port 1 X Y 0	: nift 0 ♣ Width Height 2 ♣ 1920 ♣ 320 ♣	ort.2 0 🛫 │ 0	Width Height
<	- Debug mode			Load to send card
	a second of the second s			

Step 6

Configure the receiving cards, then click "setup", like below:



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🔄 Parameters Setting					
Number of screens	Receiver card connection(Front view screen)				
Send device configuration	Right sh	hift Down shi	ft Col count	Row count	Data group expansion Reset 한다다다
Screen 1		1	2 Sand cardul	3 Sand cards 1	Send card
Scan configuration Josplay parameter o	1 R H	end card:1 ort:1 txc:1 V:128 I:96	Port:1 Rxc:2 W:128 H:96	Port:1 Rxc:3 W:128 H:96	Port
Send device firmware Receiver card firmware Multi function card firmw	2 R H	end card:1 ort:1 (xc:4 V:128 I:96	Send card:1 Port:1 Rxc:5 W:128 H:96	Send card:1 Port:1 Rxc:6 W:128 H:96	No. 9 🚖 Width
	3 R H	end card:1 fort:1 fxc:7 V:128 I:96	Send card:1 Port:1 Rxc:8 W:128 H:96	Send card:1 Port:1 Rxc:9 W:128 H:96	128 🛫 🚍 Height □ 96 🛫 🛄
					Output swap Output offset
۰ (الس) •					
Save/Open parameters file 🔻					
Readback screen Parameters					Load to receiver card

Step 7

Connect LAN port 2 with receiving cards by one LAN port cable, like below:





After finish the configurations of sending card and receiving cards, then you can edit program and click "play", it will show on the LED screen, like below:



🛃 LedshowTV 2017 SYNC Media Playe	er 📃 🖬 💌
File(F) Edit(E) Setup(O) Control(C)) Tools(T) Languages(L) Help(H)
New Open Save Hide Editor Play	🐴 🔢 📕 🎂 🚽 Iaylist Pause Stop Control
	Program Name Program Page-1
LED1	
E	Play aging Play time
Program Page-1	Start 2017-07-03 - Start 00:00:00 -
I 🗇 Program Page-2	End 2017-07-03 End 23:59:59
	/ Week properties
	🔽 Mon. 🔽 Tues, 🖾 Wed. 🔽 Thur.
	🔽 Fri. 🔽 Sat. 🔽 Sun.
	Background Setup
	Color Selected
	Background Music Volume
Sending card mode UNCONNECTED	Did not find the send card



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