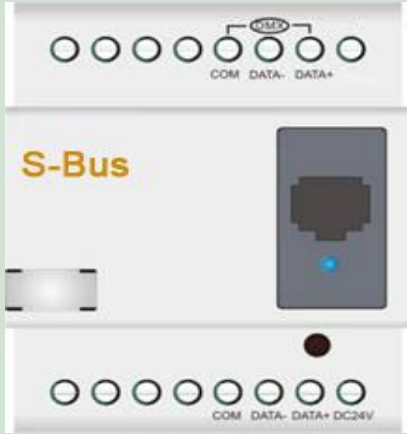


Device: 48 channel DMX show controller			
Product name:	48 channel DMX scene controller		
Model:	SB-DN-48DMX		
DMX512 output:	1990 version		
Power Supply:	20mA/DC24V		
Interface:	Smart-BUS		
Installation:	35mm standard DIN-rail	Size:	72×88×66(mm)
Main technical parameters			
<ul style="list-style-type: none"> Built-in Switch function, enable communication between S-BUS and Ethernet DMX512 signal output (1990) SBUS-NET DMX and Art-Net DMX signal output Maximum separated Area is 48 Each area has 99 scenes, Maximum run time: 60 minutes Up to 99 show sequences, each has 4 running mode of “Forward”, “Backward”, and “Bounce”, “Random”. Device protection delay function in each channel (0—60 minutes) Batch starting delay function in each channel (0—25 seconds) Remote programming and management function device can be restored to previous scene or designated scenes A module only support 1 ~ 48 DMX address 			

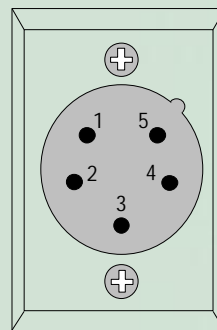
What is DMX

Technology Association of American drama establish data communication standard DMX512(1987 version) in 1986 , specialized for control of console and dimmer. The protocol extended its appliance to other stage lighting devices such as: color scroller, fogger, moving heads etc

After some modification and supplement in 1990, there comes the current implementation version DMX512/1990: (Digital Data Transmission Standard For Dimmer And Controllers).

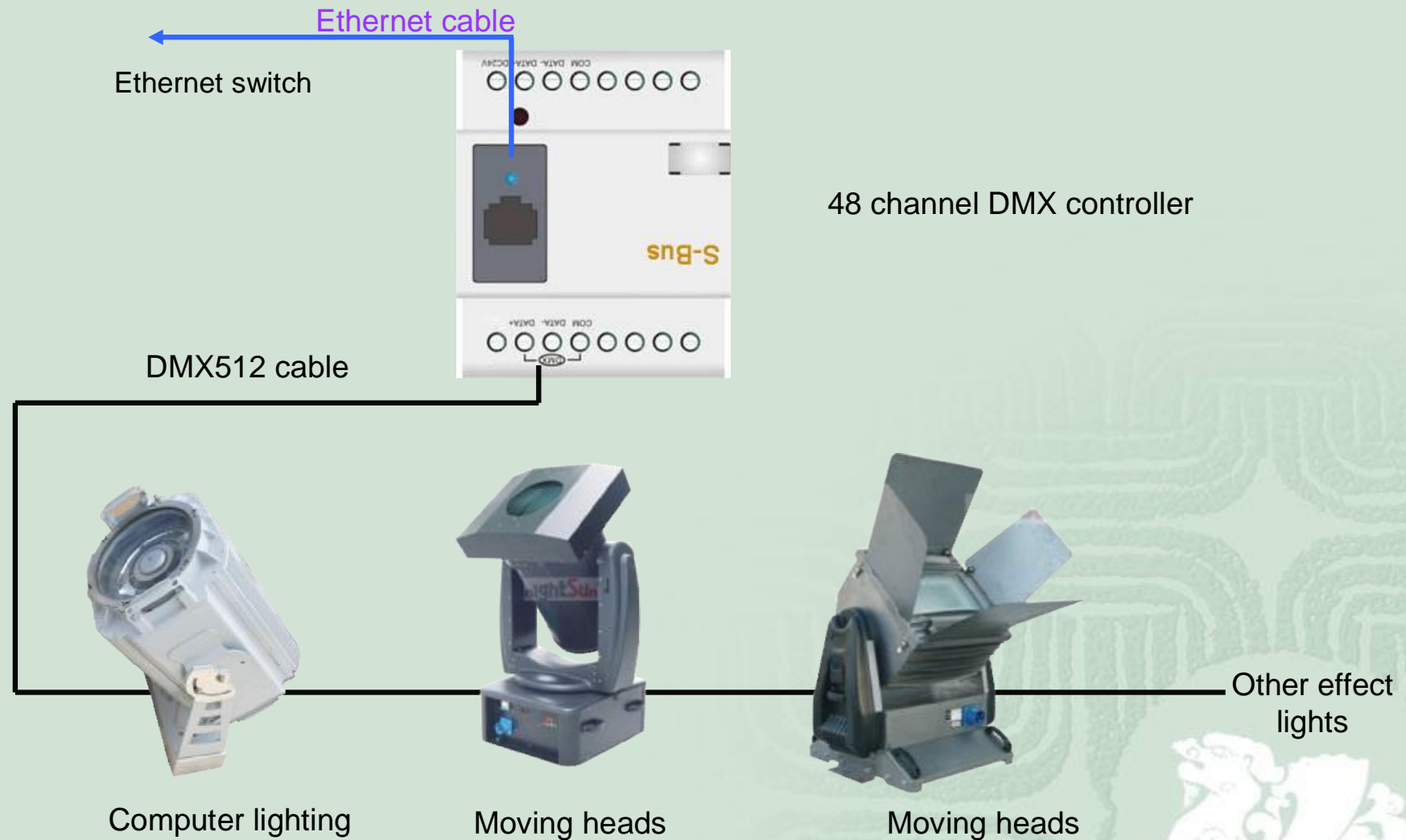
DMX is abbreviation for Digital Multiplex, 512 means can simultaneously transmit 512 channels of dimming control signal in one pair of DMX data line

Pin-Pin	Definition
1	GND
2	DMX signal (-)
3	DMX signal (+)
4	null
5	null



五芯卡侬阳座





System Diagram

after completing correct connection, make your computer's IP address settings and DMX controller's IP address in the same segment. Such as: DMX controller's IP address: 192.168.18.5, then the computer's IP should be set to: 192.168.18.X, X can be the figures less than 254 and other than 5 .

ensure that the correct IP address settings and normal communication, then open the Smart-BUS programming software, search online devices, select DMX controller and double-click to enter its programming interface.



[illegible]

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Dinner 48CH

① General ② Area ③ Channel ④ Scene ⑤ Sequence

Select device

Device: 1-34-SB-DN-48DMX

Address

Model: SB-DN-48DMX

Subnet ID: 1 Device ID: 34

Device remark

Remark:

MAC address

MAC: 40:B9:01:98:C0:30:00:78

Network parameter

IP: 192.168.1.252 Port: 6000

Route IP: 192.168.1.1

IP MAC: S B C 85 85 85

DMX channel: 7 DMX port: 4000

Modify address

General


Active Link Via Ethernet

Current IP: 192.168.1.68 Total Devices: 3 Best Viewed at 1024x768

DMX48ip module.ppt Smart Cloud Con... 未命名.bmp - 画图

开始 T001

Picture



SMART-BUS

COM DATA DATA DMX

Show subnet ID and device ID of the DMX controller

Set remark of control target for reminder

Show MAC address of the DMX controller

Showed IP, routing IP, Port number of the DMX controller.

Basic info

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1 General 2 Area 3 Channel 4 Scene 5 Sequence

Select device

Device 1-34-SB-DN-48DMX

Area information

Total areas: 1

Current area 1-

Current channel 1-

Area

Area no.	Remark	QTY of Channels
1		48

Channels of current area

Channel no.	Remark
1	

Area remark...

Area setup...

Exit

2. show all the areas of the device and corresponding channels of each area

3. show channels of selected Area

Area

Active Link Via: Ethernet

Current IP: 192.168.1.68

Total Devices: 3

Best Viewed at 1024x768 Resolution

开始

T001

DMX48ip module.ppt

Smart Cloud Con...

未命名.bmp - 画图

11:34

星期三

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Smart Cloud Configuration Software V14.22

Dimmer 48CH

1 General 2 Area 3 Channel 4 Scene 5 Sequence

Select device

Device: 1-34-SB-DN-48DMX

Current area: 1-

Area

Area no.	Remark
1	
2	
3	

Edit area remark

General

Data acquisition mode: Device Model: SB-DN-48DMX

Remark

Subnet ID: 1 Device ID: 34

Modify area remark

Area no.	Remark
1	
2	
3	

Area modification

Area remark...

Area setup...

Exit

1. Area Remark

2. Remark for each area

3. Save after remark

Active Link Via:Ethernet

Current IP:192.168.1.68

Total Devices:3

Best Viewed at 1024x768 Resolution

开始

DMX48ip module.ppt

Smart Cloud Con...

未命名.bmp - 画图

T001

11:40 星期三

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Dimmer 48CH

1. area remark

2. Select an area

3. Create new area

4. Channels without area definition

5. increase or decrease channels of current area from undefined channels and defined ones

Area no. Remark

Area no.	Remark
1	
2	
3	

Channels waiting allocation

Channels in current area

Current area no. 1 Max area no. 3

Area remark...

Area setup...

Clear All

Select all <-

Deselect all <-

Save

Exit

Active Link Via:Ethernet

Current IP:192.168.1.68

Total Devices:3

Best Viewed at 1024x768 Resolution

开始 DMX48ip module.ppt T001 Cloud Con...

11:43 星期三

Smart Cloud Configuration Software V14.22

Configure (C) Address (A) Pairing (P) Devices (D) Test (T) Language Backup (B) Developers (F9) Users (U) Other (O) Hotel Help (H)

Dimmer 48CH

1 General 2 Area 3 Channel 4 Scene Edit patch

Select device

Device 1-34-SB-DN-48DMX

Current area 1-

Area

Area no.	Remark
1	

General

Data acquisition mode: Device Model SB-DN-48DMX

Subnet ID: 1 Device ID: 34

Remark

Modify patch

Dimmer no.	Channel no.
3	9
4	10
5	11
6	12
7	
8	
9	9
10	10
11	11
12	12
13	13

Please input dimmer no.

1 To 512

OK

☐ Modify synchronously

Initialize

Save

Exit

Area information

Total areas: 3

Channel modification

Remark...

Load type...

Lower limit...

Higher limit...

Test(T)...

Modify patch

Patch...

“initialize” is must the configuration of the one thing

“Save” to exit

“patch” means the output channels of module corresponds controlled devices its actual dimming channels

Active Link Via:Ethernet

Current IP:192.168.1.68

Total Devices:3

Best Viewed at 1024x768 Resolution

开始

Smart Cloud Con...

DMX48ip module.ppt

有道词典

T001

16:02

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Dimmer 48CH

1 General 2 Area 3 Channel 4 Scene 5 Sequence

Select device

Device: 1-34-SB-DN-48DMX

Area information

Total areas: 3

Current area: 1- Current channel: 1-

Area

Area no.	Remark	QTY of Channels
1		37
2		5

Channels of current area

Channel no.	Remark	Load type	Lower limit	Higher limit
1		Undefined	0	100
2		Undefined	0	100
6		Undefined	0	100
10		Undefined	0	100
11				
12				
13		Undefined	0	100
14		Undefined	0	100

Channel modification

Remark...

Load type...

Modify patch

Patch...

Best Viewed at 1024x768 Resolution

开始 7001 DMX48ip module.ppt Smart Cloud Con...

11:46 星期三

Remark for each channel

Lower Limit: if set a lower limit of the channel, when dimming down to meet the lower limit value, the output will become Zero , the range of Lower limit can be set to 0~ 99

Higher Limit: if set a higher limit of the channel, when dimming up to meet the lower limit value, the output will become 100, the range of Lower limit can be set to 01~ FL

two variation properties: gradual and mutational

“dispatch” means the output channels of module corresponds controlled devices its actual dimming channels

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Dinner 48CH

① General ② Area ③ Channel ④ Scene ⑤ Sequence

Select device: Device: 1-34-SB-DN-48DMX

Select area: Area: 1-

Input scene no. from: 0 To: 3 Confirm

Scene information

Scene no.	Remark	Running time(mm:ss)
0		0:0
1		0:0
2		0:0
3		0:0

Channels information of current scene

Channel no.	Remark	Intensity %
1		0
2		0
3		0
4		0
5		0
6		0
7		0
8		0
9		0
10		0
11		0
12		0
13		0
14		0
15		0

Area information

Total areas: 3

Scene information

Current scene no.: 0

Start scene no.: 0

End scene no.: 3

Scene modification

Remark...

Scene setup...

Exit

1. Select Area

2. Enter the scenes number, type starting scene number and ending scene number According to actual demand

3. remark of scenes

4. Setting of scenes

Scene

Active Link Via: Ethernet

Current IP: 192.168.1.68

Total Devices: 3

Best Viewed at 1024x768 Resolution

开始 DMX48ip module.ppt Smart Cloud Con... J:\ DMX48ip module.ppt

T001

11:55 星期三

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Dimmer 48CH

Edit scene intensity

General

Data acquisition mode: Device Model: SB-DN-48DMX

Subnet ID: 1 Device ID: 34

Remark

Modify scene running time

Scene no.	Remark	Running time (mm:ss)
0		0:0
1		0:0
2		0:0
3		0:0

2. Set running time of current scene, equal to the time from former scene to current scene.

Current scene information

Current area 1- Current scene 0

☐ Modify running time synchronously

☐ Modify scene intensity synchronously

☐ Off-site run scene

Modify current scene intensity

Channel no.	Remark	Intensity (%)
1		0
2		0
3		0
4		0
5		0
6		0
7		0
8		0
9		0
10		0
11		0
12		0
13		0
14		0
15		0

3. Set intensity of current scene

1. Click to set the scene

4. Save current scene

Save

Exit

Remark...

Scene setup...

12:04 星期三

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Dimmer 48CH

1 General 2 Area 3 Channel 4 Scene 5 Sequence

Select device

Device: 1-34-SB-DN-48DMX

1. Select sequence number

Current Sequence: 1-TEST Mode: Forward and Backward mode Current step: 1

Sequences

Sequence	Remark	Mode
1	TEST	Forward and Backward

Add sequence in current area

General

Data acquisition mode: Device: Model: SB-DN-48DMX

Subnet ID: 1

Remark:

3. input new-added sequences no

4

2. Click add icon

4. Add

Add

Exit

Run sequence

Sequence no.

Run Now Stop

Area information

Total areas: 3

Sequences

QTY of Sequences: 1

QTY of Steps: 4

Sequence

Add...

Free...

Restore...

Delete...

Modify Sequence

Remark...

Sequence...

Modify steps

Steps...

Sequence

Active Link: Via Ethernet

Current IP: 192.168.1.68

Total Devices: 3

Best Viewed at 1024x768 Resolution

开始

Smart Cloud Con...

Microsoft PowerP...

13:50

星期三

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Configure (C) Address(A) Pairing(P) Devices (D) Test(T) Language Backup(B) Developers (F9) Users(U) Other (O) Hotel Help (H)

Dinner 48CH

① General ② Area ③ Channel ④ Scene ⑤ Sequence

Select device: Device: 1-34-SB-DN-48DMX

Select area: Area: 1-

Run sequence: Sequence no. Run Now Stop

Current Sequence: **1-TEST** Mode: **Forward and Backword mode** Current step: **1**

Sequences

Sequence	Remark	Mode	Times	Step totality	Status
1	TEST	Forward and Backword mode	Unlimited	4	useable

Steps of current sequence

Step no.	Scene no.	Step time (mm:ss)
1	0-	0:1.0
2	1-	0:1.0
3	2-	0:1.0
4	3-	0:1.0

Area information

Total areas: 3

Sequences

QTY of Sequences: 1
QTY of Steps: 4

Sequence

Add... Free... Restore... Delete...

Modify Sequence

Remark... Sequence...

Modify steps

Steps...

Sequences information

steps of sequence, means scene number and running time of each step

Active Link via Ethernet Current IP: 192.168.1.68 Total Devices: 3 Best Viewed at 1024x768 Resolution

开始 Smart Cloud Con... DMX48ip module.ppt T001 14:29 星期三

Smart Cloud Configuration Software V14.22

Configure (C) Address(A) Pairing(P) Devices (D) Test(T) Language Backup(B) Developers(F9) Users(U) Other(O) Hotel Help (H)

Dimmer 48CH

1 General 2 Area 3 Channel 4 Scene 5 Sequence

Select device

Device: 1-34-SB-DN-48DMX

Current Sequence: 1-TEST

Sequences

Sequence n	Remark
1	TEST

Edit sequence information

General

Data acquisition mode: Device

Subnet ID: 1

Remark

Current area: 1-

3..Set running times

Modify sequence

Sequence n	Remark	Mode	Times	Step totality
1	TEST	Forward and Backward m	Unlimited	4

2. Set sequences mode

4. Sets QTY setting

Save

5. Save settings

1. Click to enter sequence setting page

Run sequence

Sequence no.

Run Now Stop

Area information

Total areas: 3

Sequences

QTY of Sequences: 1

QTY of Steps: 4

Sequence

Add...

Free...

Restore...

Delete...

Modify Sequence

Remark...

Sequence...

Modify steps

Steps...

Sequence

Active Link Via: Ethernet

Current IP: 192.168.1.68

开始

Smart Cloud Con...

DMX48ip module.ppt

T001

14:33

星期三

Smart Cloud Configuration Software V14.22

Configure (C) Address (A) Pairing (P) Devices (D) Test (T) Language Backup (B) Developers (F9) Users (U) Other (O) Hotel Help (H)

0.3K/S 0K/S Up (R) www.SmartHomeBus.com

Dinner 48CH

1 General 2 Area 3 Channel 4 Scene

Select device

Device 1-34-SB-DN-48DMX

Current Sequence 1-TEST

Sequences

Sequence	Remark	Mode
1	TEST	Forward

Edit step

General

Data acquisition mode: Device Model: SB-DN-48DMX

Subnet ID: 1 Device ID: 34

Remark

Current area 1- Current sequence 1-TEST

Modify step information

Step no.	Scene no.	Step time (mm:ss)
1	0	0:1.0
2	1	0:1.0
3	2	0:1.0
4	3	0:1.0

Modify step time synchronously

Save

Exit

Run sequence

Sequence no.

Run Now Stop

Area information

Total areas: 3

Sequences

QTY of Sequences 1

QTY of Steps 4

Sequence

Restore...

Delete...

Modify Sequence

Remark...

Sequence...

Modify steps

Steps...

Sequence

Active Link Via: Ethernet

Current IP: 192.168.1.68

Total Devices: 3

Best Viewed at 1024x768 Resolution

开始

Smart Cloud Con...

DMX48ip module.ppt

14:37 星期三

1. steps setting, input invoked scenes number of each step

2. Set running time of each step

3. Save settings

Remark

- DMX channel: The default configuration is 48.
- DMX port: The default configuration is 5000.
- 48 Channel DMX control module of the loop number corresponding DMX lamps and lanterns address

Design by Andy
Oct 17, 2012

