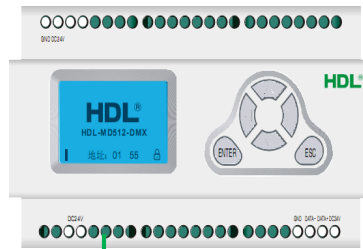


## wiring

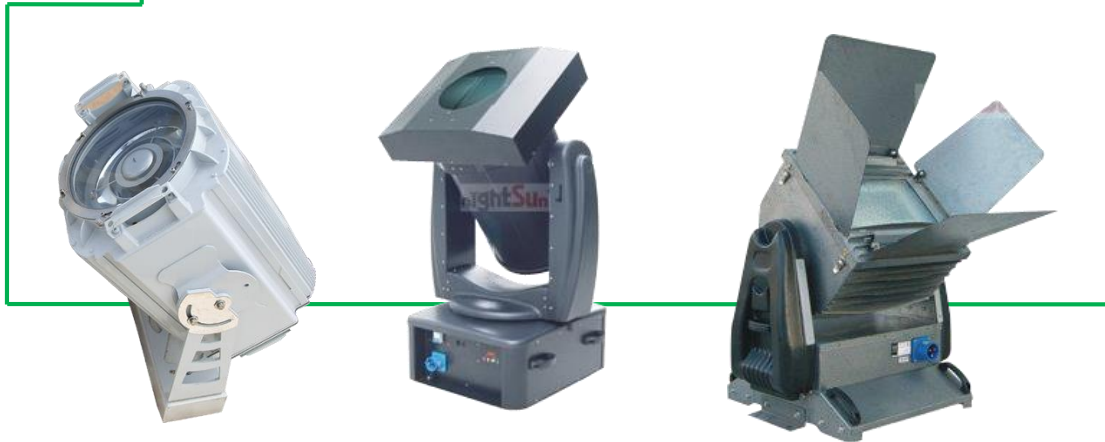
Manual describes the snapshots taken in the old HBST program. In HBST2, the graphic appearance is slightly different but the functions remain the same.



to Ethernet hub

512ch DMX scene controller

DMX bus



to other DMX fixtures

Computer lighting

Moving heads

Moving heads



专业舞台灯光  
Professional stage lighting



智能照明  
Intelligent Lighting



智能酒店  
Smart Hotel



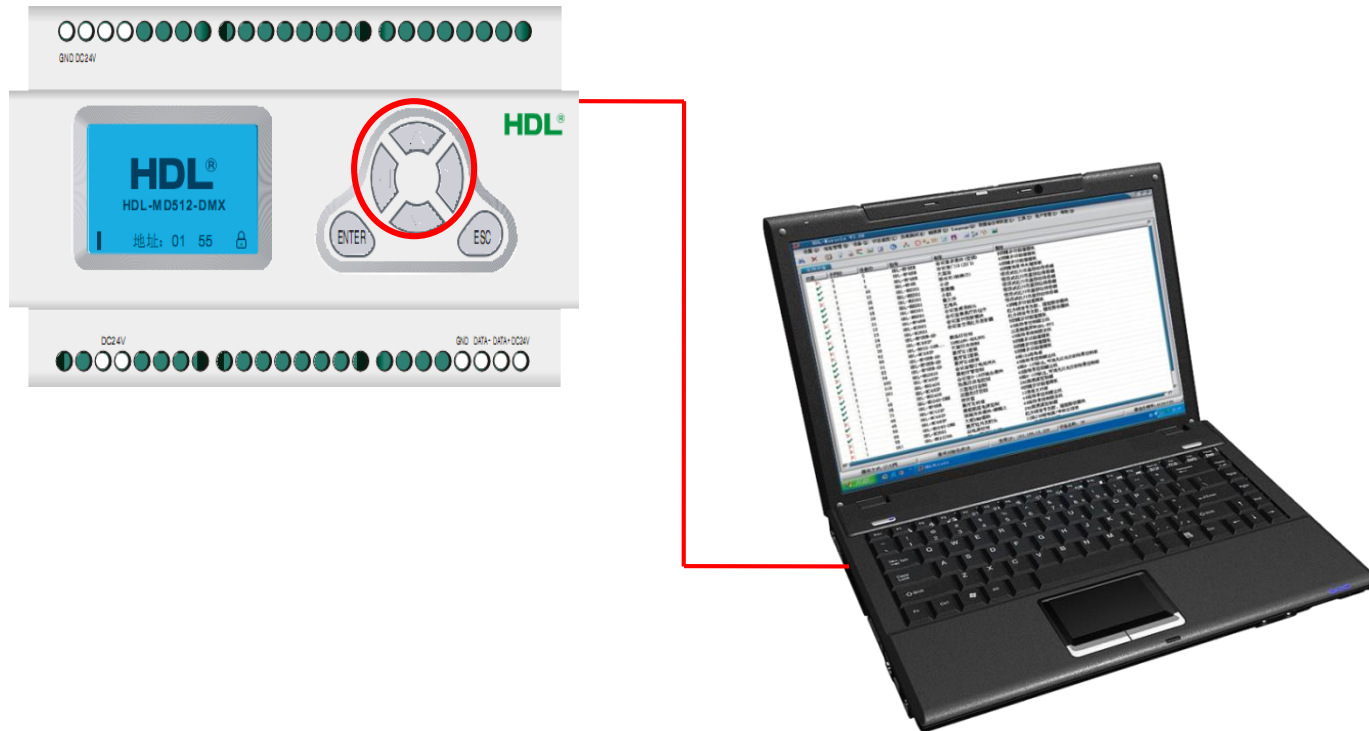
智能家居  
Smart Home



智能演出控制  
ShowControl

# SB-DN-512DMX

There is a LCD panel and some keys on this module, you can manually check or change the IP via them. Whenever the IP is changed, the module is needed to be reset. (press the **four keys** at the same time for several seconds.) e.g., set the IP as 192.168.10.122, then reset it, after that, change the IP of the laptop as 192.168.10.123 and ping 192.168.10.122, see if it can be pinged successfully.



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智能演出控制  
ShowControl

### 512 channels show controller

① Device ② Area ③ Channel ④ Scene ⑤ Sequence

Select device  
Device: 2-6-HDL-MD512-DMX

Device configuration  
Model: HDL-MD512-DMX  
Subnet ID: 2 Device ID: 6

Device remark  
Remark: movie head control

MAC address  
MAC: 0F.00.00.00.00.FF.03.96

Network parameter  
IP: 192.168.18.96 Port: 6000  
Route IP: 192.168.18.2  
IP MAC: M I R 255 255 255  
DMX channel: 1 DMX port: 4000

Modify subnet ID and device ID according to MAC  
Subnet ID: Device ID:

Picture upload  
Upload... Delete Exit

Save Save Save

subnet ID and device ID

Device remark

Generally no need to set it if just DMX512/1990 (if use Art-Net or HDL-NET, need to set these parameters.)

Change the ID if needed

### 512 channels show controller

- ① Device
- ② Area
- ③ Channel
- ④ Scene
- ⑤ Sequence

Select device

Device:

Area information

Total area: **1**

Current area: **1-**

Current channel

Area information

Area no.	Remark	Load totality
1		6

**Current area**

Channel information of current area

Channel no.
1
2
3
4
5
6

**Channels of current area**

Area modification

Area remark...

Area setup...

Exit

## 512 channels show controller



① Device ② Area ③ Channel ④ Scene ⑤ Sequence

Select device

Device 2-6-HDL-MD512-DMX

Area information

### Edit area remark

Basic information

Data acquisition mode	Device	Model	HDL-MD512-DMX
Remark	movie head control		
Subnet ID	2	Device ID	6

Modify area remark

Area no.	Remark
1	LED
2	Movie head

Save Exit

Area modification

Area remark...

Area setup...

Exit

Area remark

Save

### 512 channels show controller

① Device ② Area ③ Channel ④ Scene ⑤ Sequence

#### Area setup

Basic info

Data

Subnet ID: 2 Device ID: 6 HDL-MD512-DMX

Remark: movie head control Max channels: 512

Current area no.: 1

Max area no.: 2

Channels waiting allocation

- 12-
- 59-
- 60-
- 61-
- 62-
- 63-
- 64-
- 65-
- 66-
- 67-
- 68-

Channels in current area

- 1-
- 2-
- 3-
- 4-
- 5-
- 6-

Select area

- 1-LED
- 1-LED
- 2-Movie head

Area modification

- Area remark...
- Area setup...

Area remark...

Area setup...

Clear All

Select all <-

Deselect all <-

Save

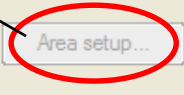
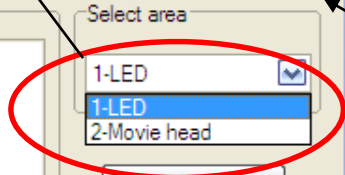
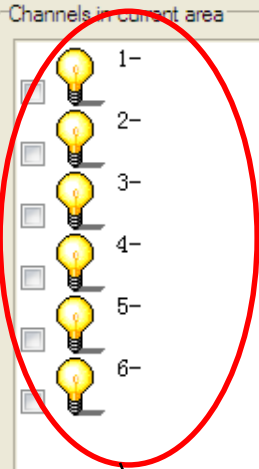
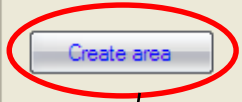
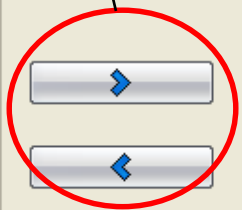
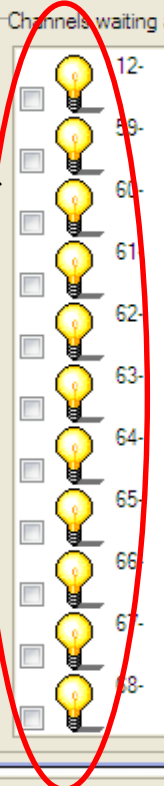
Exit

Exit

Channels waiting to be assigned.

Add channels to and delete channels from current area

Select an area



Channels in current area

Create new area

Finish 100% [ Cancel ]

## 512 channels show controller



① Device ② Area ③ Channel ④ Scene ⑤ Sequence

Select device

Device 2-6-HDL-MD512-DMX

Channel remark

Area information

Total area 2

Current area 1-LED

Current channel 1-

Area information

Area no.	Remark
1	LED
2	Movie head

Channel information of current area

Channel no.	Remark	Load type	Lower limit	Higher limit	Max level	Changing attribute
1		Undefined	0	100	100	Gradual change
2		Undefined	0	100	100	Gradual change
3		Undefined	0	100	100	Gradual change
4		Undefined	0	100	100	Gradual change
5		Undefined	0	100	100	Gradual change
6		Undefined	0	100	100	Gradual change

Make sure that Lower limit  $\leq$  Higher limit  $\leq$  Max limit, setting range: 0% - 100%

Channel modification

Remark...

Load type...

Lower limit...

Higher limit...

Max level...

Effect property - CANCELED

Changing attribute...

Load test

Load test

Modify patch

Patch...

Exit

Mapping relationship between "HDL channel" and "DMX channel"



## 512 channels show controller



① Device ② Area ③ Channel ④ Scene ⑤ Sequence

Select device

Device 2-6-HDL-MD512-DMX

Select area

Area 1-LED

Select Area

Scene restore

Scene restore...

Input scene no. from 1 To 28 Confirm

Current channel 3-B Display format Actual value

Scene information  Read scene remark

Scene no.	Remark	Running time(mm)
1	Red	0:1.0
2	Green	0:1.0
3		0:1.0
4		0:1.0
5		0:1.0
6		0:1.0
7		0:1.0
8		0:6.0
9		60:0.0
10		60:0.0
11		60:0.0
12		60:0.0
13		60:0.0
14		60:0.0
15		60:0.0
16		60:0.0

Fill in a range to be involved

Channels information of current scene

Channel no.	Remark	Intensity
1	R	0
2	G	255
3	B	0
4	color change	0
5	R	0
6	G	0
7	B	0
8	color change	0

Scene remark

Area information

Total area 2

Scene information

Current scene no.

2

Start scene no.

1

End scene no.

28

Scene modification

Remark...

Scene setup...

Material...

Exit

Finish





## 512 channels show controller



① Device ② Area

Select device

Device

Input scene no. from

Scene information

Scene no.	Remark
1	Red
2	Green
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	

## Edit scene intensity



Basic information

Useful option when creating a scene.

Remark movie head control

Current scene information

Current area 1-LED

- Modify running time synchronously  
 Modify scene intensity synchronously  
 ON-site output scene

Mix the levels of channels to create scene

Modify scene running time

Scene no.	Remark	Running time (mm ss)
1	Red	0:1.0
2	Green	0:1.0
3		0:1.0
4		0:1.0
5		0:1.0
6		0:1.0
7		
8		
9		
10		
11		
12		60:0.0
13		60:0.0
14		60:0.0
15		60:0.0

Running time: the transit time till the scene reaches the preset brightness.

Modify current scene intensity

Channel no.	Remark	Intensity
2	G	243
3	B	0
4	color change	0
5	R	0
6	G	0
7	B	0
8	color change	0

save



Save



Exit

Scene restore

Scene restore...

Scene information

Current scene no.

2

Start scene no.

1

End scene no.

28

Scene modification

Remark...

Scene setup...

Material...



Exit

Finish



## 512 channels show controller



① Device ② Area ③ Channel ④ Scene ⑤ Sequence

Select device

Device 2-6-HDL-MD512-DMX

Select area

Area 1-LED

Output sequence

Current sequence:

Output

Current Sequence 1-1

Mode Forward mode

Current step 3

Sequence

Sequence no.	Remark	Mode
1	1	Forward
2		Forward

## Add sequence in current area



Basic information

Data acquisition mode	Device	Model	HDL-MD512-DMX
Subnet ID	2	Device ID	6
Remark	movie head control		

Add sequence

Add sequence in current area

Input new-added sequence no.

2

Used sequence no.

2

Inactivate sequence no.

0

Surplus sequence totality

97

Surplus sequence space

97

Add

Exit

Step time (mm ss)

0:1.0

0:1.0

0:1.0

0:1.0

0:1.0

0:1.0

0:3.0

0:5.0

Area information

Total area 2

Sequence

Sequence totality 2

Step totality 8

Sequence

Add...

Free...

Restore...

Delete...

Sequence modification

Remark...

Sequence...

Modify step

Step...

Exit

Finish



## 512 channels show controller



① Device ② Area ③ Channel ④ Scene ⑤ Sequence

Select device

Device 2-6-HDL-MD512-DMX

Select area

Area 1-LED

Output sequence

Current sequence:

Output

Current Sequence 1-1

Mode Forward mode

Current step 3

Sequence

Sequence no.	Remark	Mode	Times	Step totality
1	1	Forward mo	Unlimited	8
2		Forward mo	Unlimited	0

Current sequence

Step information

Step no.	Scene no.	Step time (mm ss)
1	1	0:1.0
2	2	0:1.0
3	3	0:1.0
4	4	0:1.0
5	5	0:1.0
6	6	0:1.0
7	7	0:3.0
8	8	0:5.0

Steps (scenes) of current sequence

Area information

Total area 2

Sequence

Sequence totality 2

Step totality 8

Sequence

Add...

Free...

Restore...

Delete...

Sequence modification

Remark...

Sequence...

Modify step

Step...

Exit

Finish



## 512 channels show controller



① Device ② Area ③ Channel ④ Scene ⑤ Sequence

Select device

Device 2-6-HDL-MD51

Select area

Current Sequence 1-1

Sequence

Sequence no.	Remark
1	1
2	

### Edit sequence information

Basic information

Data acquisition mode Device Model HDL-MD512-DMX

Subnet ID 2

Remark movie head control Current area 1-LED

Modify sequence

Sequenc	Remark	Mode	Times	Step totality
1	1	Forward mode	Unlimited	8
2		Forward mode	Unlimited	0

synchronously  
 Modify running times synchronously  
 Modify step number synchronously

Save

Exit

Set running times

Step (scene) Qty

Set sequence mode

save

Output sequence

Current sequence:

Output

Area information

Total area 2

Sequence

Sequence totality 2

Step totality 8

Sequence

Add...

Free...

Restore...

Delete...

Sequence modification

Remark...

Sequence...

Modify step

Step...

Exit

Finish



## 512 channels show controller



① Device ② Area ③ Channel ④ Scene ⑤ Sequence

Select device

Device 2-6-HDL-MD512-DMX

Current Sequence 1-1

Sequence

Sequence no.	Remark
1	1
2	

### Edit step

Basic information

Data acquisition mode	Device	Model	HDL-MD512-DMX
Subnet ID	2	Device ID	6
Remark	movie head control		
Current area	1-LED	Current sequence	1-1

Modify step information

Step no.	Scene no.	Step time (mm ss)
1	1	0 : 1 : 0
2	2	0 : 0 : 0
3	3	0 : 1 : 0
4	4	0 : 0 : 0
5	5	
6	6	
7	7	0 : 3 : 0
8	8	0 : 5 : 0

**Modify step time synchronously**

Set running time of each step

Assign a scene to each step

save

Output sequence

Current sequence:

Area information

Total area 2

Sequence

Sequence totality 2

Step totality 8

Sequence





Sequence modification



Modify step



Finish

