SS-S960 RDM Controller Specification

——V1.0

Beijing Soft Stone Optoelectronic Technology Co., Ltd.

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Chapter one Brief Introduction of controller functions

I. Product performance

I. Four gigabit adaptive Ethernet interfaces, including dual SFP optical port and dual RJ45 network port, can be expanded to four RJ45 network ports if the photoelectric conversion module is adopted. Dual-mode four-port network access mode provides more choices in practical operation.

II. The network interface USES the Canon type connector, has the dustproof and the . anti-looseness characteristic, may minimize the contact bad fault occurrence;

III. The controller has independent IP address, supports ARP protocol, can automatically assign IP address, more convenient for network monitoring and management;

IV. 8 output ports, each port can drive 4096 channels at most;

V. Support standard RDM protocol;

VI. The parameters of the controller are write-free, the controller has strong universality, the fault controller can be replaced directly and the maintenance workload can be reduced.

VII. Single firmware supports a variety of chip communication protocols including DMX512, SPI, zero return code and so on, reducing the complexity of project maintenance;

VIII. Support DMX512 chip online addressing, chip parameters online writing;

IX. The highest level is 65536 gray level control, which can restore the color and details of the image.

X. Three-color or four-color hardware brightness control and hardware gamma ray correction function, can be precise adjustment of the image;

XI. In the playing state, the online state of the controller can also be checked by地址:北京市通州区中关村科技园通州园景盛南四街 17号 65 号楼Postcode: 101102Tel: 010-56370005Fax: 010-56370005-810http://www.ssg-china.cn

software in real time.

II.Design concept

I. Synchronous control mode can be added with offline player to realize offline play, which is selected according to the requirements of end users;

II. Easy Show, a video editing, playback and wiring design software with independent intellectual property rights, can adapt to a variety of heterogeneous screens, multiple screens, text screens, pixel lights and other complex applications. III. The functions of the software system are highly integrated and open, and the design of playing content and wiring can be completed independently by the application party. Software supports automatic, timed and preset holiday effects; Support multi-screen display, screen and split screen; Support the control of red, green, blue and white four-color lamps; Support music spectrum display, external video call; Support to play instant messages without interrupting display screen; Cabling support to import CAD, import reference pictures and other special functions, to meet the diverse needs of customers;

IV. Receive data directly from the network card of the computer, abandon the mode of "dedicated video card + master control + sub-control", make installation easier, and greatly reduce the cost;

III. Scalability

I. It can play video and picture files in various formats synchronously.

II. Can display all Windows operating system supported by the text;

III. Support all SERIAL data interface LED driver chip and DMX512 protocol chip;

IV. Support IP group function, realize the stability of multiple controllers in large project;

V. Support DMX512 protocol, maximum 8 port output;

VI. Support fiber transmission after fiber module conversion, wireless network transmission or wireless bridge connection;

VII. Support standard RDM protocol;

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Chapter two Model and appearance of controller

I.Product model

The SS-960RDM controller is an industrial type with a shell and 8 output ports. The maximum number of pixels in each port can reach 4096 channels.

The controller can be widely used in: architectural landscape, hotels, supermarkets, department stores, government lighting projects, construction projects, commercial space, airports, subways, hospitals and other places. For investment owners and architects, designers, flood lighting engineering, construction engineers and other professionals to provide architectural art visual dynamic color lighting a full range of technical problems solutions.

two、Product pictures



two.SS - 960 RDM back view

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(eleuen) (twelue)

- I. The power switch
- II. Set key (long press for 3 seconds to work)
- III. OK (Click OK when setup is complete)
- IV. Display screen (display controller number)
- VI. (reduce one controller ID number)
- VII. The source of light
- VIII. Optical fiber mouth
- IX.Gigabit interface
- X. Handhold device jack
- XI. Output port
- XII. The power socket

III.Controller basic parameters table

The input voltage	AC 220V
The most powerful	15W
Long degrees	20.44 CM
Wide degree	13.70 CM
High degree of	4.40 CM
Fixed hole spacing	7.50 CM; 21.7 CM

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IV. Output interface wire sequence

one. The OUTPUT interfaces of SS-960RDM are 8 4P interfaces, respectively 1-8 (as shown in the figure).



two.4P terminal from left to right, signal sequence:

type		PORT E	DMX512			POR	T SPI	
	1	2	3	4	1	2	3	4
	to	Data	Data -	addre	to	data	Ther	The
		+		ssing			e is	clock
							no	
	GND	D+	D-	ADDR	GND	DATA	NC	CLK

Chapter three Controller Dimensions (note: in the dimension drawing, the unit is in mm)

One. Elevation view of SS-960RDM controller



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Two. Ss-960rdm Controller Rear view



three. Top view of SS-960RDM Controller



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Chapter four Instructions for EASY SHOW software

I. overview

Easy-show is the light control software developed by our company, with powerful functions, which is used for on-line control of the 960 controller. In order to SHOW the use of the software to you more simply and clearly, the following example mode is used to illustrate. Please refer to the "EASY SHOW Software Manual" for detailed function operation of the software.

One. Install EASY SHOW software and click open software;



II. Enter the project name, screen size (pixels), and click New Project;

Gazy i	Mow ssg °	
Version: 9.1.7 (beta)		
Recent Projects	Path	
example_1	C:\Program Files (x86)\Easy Show 9\example\	
SD卡测试效果_10台	D:\EsayShow\	
20220105	D:\EsayShow\	
Name Path D:\EsaySh	Width 512 Height 256	
Ditestysin	Cancel Open Other New Project	t

III. Select fast new wiring in the pop-up function box;

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IV.Select the host network card IP and other information, and click OK to enter the homepage. (If IP is not selected, after entering the software interface, the message window will prompt "Network initialization failed! Please check the network IP

Layout Filename	Display_1_Region_1	
Layout Width (Pixels)	512	
Layout Height (Pixels)	256	
Layout Direction	Enter from Up (↓)	
Host Network Card IP		
Controller Type	8端口	•
Port Channel Count	1024	•
Lamp Color	RGB	-

address Settings ";

V. The software interface pops up after the file is created successfully;

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E\$ *20220116.esproj - Easy Show				- 8 ×
FILE(E) EDIT(E) VIEW(V) PROJECT(P)	LAYOUT(L) RUN(B) DEBUG(D) TOOLS(I) SETTING	S(S) HELP(H)		
ិឱ្ ឌម 🕈 🗕 អំ 🕹 🗗 👌 🗶 🔍				
Media Files	A × Play Preview Layout Preview Controller List			Property 🕴 🗙
System Settings				Basic Settings
▲ □ Display_1 <512x256>				Region Naming Region 1
✓ Segment_1				Initial Controller ID 1
🖆 Main Media Box				Initial IP Address
				Network Settings
				Host Network Card IP -
				Automatic IP Address As 🗹 Enable 🔹
				Controller Network Spee 1000MB/100MB Resport
				Network Bandwidth Limi Unlimited 🔹
		2		Layout Settings
				Layout File Display_1_Region_1.ytp>*
				Horizontal Offset 0
				Vertical Offset 0
				Layout Information
				Layout Specifications 512 * 256
				Total Controllers Quantit 64
				Total Pixels Count 131072
				Max Channels Count of 1768
		· · · · · · · · · · · · · · · · · · ·		
	Message		4 ×	
	Network initialization error! Please check network IF	address.		

VI. Create a new colorful text "Welcome", run left to right;

IB Image: Ima		Property Baut Settings Total Farmes Pity Opdion Pity Mode	+× •
Color Text_1.sstxt	5.0s	Color Test, Tastet - Color Test	
	Welcome	266 Wetcome 266 W	
		н өдлэ Олри	
	Mesage Network initialization error! Please check network IP address.		

VII.Click output and the colorful text file is created successfully;

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unun mang desucid lookid telenen Ar Frank		. •	e ×
	Property		# ×
	Total Frames		
		Play by Frame	
	Play when Delayed		
	Media Crop	Play All	
	Opacity (%)		-
Welcome 			
5		Image: Provide Land Provider Controler List Property Image: Controler List Property	NULU ENERGIO TOCIONO STITUSOSO TOCIONO STITUSOSO TELEBO

VIII.Click preview "wiring", based on the rapid wiring way, in this instance wiring file has been generated automatically according to set, the file is 300 x 300 pixels, chooses 8 port controller RDM SS - 960, the software automatically generated 19 sets of controller wiring files, 18 units use all ports, the last one to use 12 ports, namely, $18 \times 18 + 12 = 300$, forming a 300 x 300 wiring files as shown in the figure below.Click "Controller Parameters" to set the lamp chip information and other relevant parameters, and save and output the file;

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IX.New advanced wiring example;

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X. New advanced wiring instance, project file with 600×300 pixels screen size, file

name "Advanced Wiring Instance", one lamp position is one pixel;

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Gary I	how ssg °
Version: 9.1.7 (beta)	
Recent Projects	Path
example_1	C:\Program Files (x86)\Easy Show 9\example\
SD卡测试效果_10台	D:\EsayShow\
20220105	D:\EsayShow\
Name Advanced La Path D:\EsayShow	
	Cancel Open Other New Project

XI. Click on the new project, the advanced wiring new information text box pops

up, and enter the name of the new wiring file "advanced wiring display screen _1_

partition	1"	;
	_	



XII.Set the properties on the popup "Project Settings" page. The example USES

controller 960, the maximum number of channels per set is 4096, each set is 8 ports,

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the color of the project lamp control chip is set as RGB (three channels per light), that is, the maximum number of lights per port can be 1365.In the wiring file, each port control light is set as 300 (width pixels) ×4 (height pixels) =1200 (all pixels), and the light is arranged in a rectangular way. The algorithm for the number of controllers is $600 \times 300 \div 1200 \div 8 \approx 19$ (sets).

That is:

Length (pixel) × width (pixel) ÷ the actual number of lights on each port ÷ the number of controller ports \approx the number of controllers

Setting	×
Project page setup	
Horizontal 512 Vertical 256	Snap to Grid
Lamp spacing 1	Randomize port color
Lamp Size 1	☐ Lighting Allow overlap ☐ Port maximum layout
	I Show X,Y
Controller settings	
Type 8	Port 2048Channels
Color order	GB 🔹
Controller count:	1 ÷
Lamps zoom to page.	
OK	Cancel

XIII.Click OK to enter the Easy Layout page, select the image mask, and import the

instance image as the background file, as shown in the figure.

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XIV. Select automatic wiring according to the picture template of lamps, calculate the aspect ratio of wiring files of each port, and check the following sequence port for wiring according to rules, and set as shown in the figure below;

Style Z' form Right -> Left Horizontal 0 Vertical 0 Port interval	Size Width 682 ÷	Pixel	Height	1 🕂 Pixel
	□ 'Z' form	····		
		Vertic	al 0	

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XV. Move the wiring file to an appropriate location in the drawing area. The head

light is located at the lower left corner of the building as shown in the figure below;



XVI. After the sequential ports are selected and wired according to the rules, all ports of the controller will be wired automatically, and all the 8 ports of the controller set are wired automatically, as shown in the figure below;



XVII. Wiring all buildings using automatic wiring;

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XVIII.After wiring is completed, save the wiring file, which can be saved at the default file address or saved as a custom file address. Close the Easy Layout page.



Wiring preview window as shown in the figure below;

XIX.Click play Preview to create a new animation file. The setting method refers to

the example of animation special effects production in section 5 of chapter

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Note: When setting the animation, you can import the picture file as the reference background to determine the display position.

Chapter five Usage Instructions of RDM-Manager software (for RDM lamps)

I.overview

Rdm-manager is a software developed by our company that supports RDM protocol. It can be used with the 960 controller and RDM lamps to monitor the status of the controller and RDM lamps in real time, address, write parameters and fault alarm of RDM lamps at the same time.**Software using step is roughly as** follows, to ensure that the computer is connected the lamps and lanterns of good correlation and controller, open the RDM Manager software, according to the actual requirements of new projects, the land administrator account, ensure that the controller is for the online status, select the action bar in discovery of lamps and lanterns, the search of lamps and lanterns to complete sets the system parameter setting and lamps and lanterns again, finally open

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real-time monitor, if the defective controller and lamps and lanterns, the message board will give the corresponding error log, and fault news to fill in the email. Each of these steps is described in detail below.

One.Install EASY SHOW software, click open RDM Manager after downloading;



II.Open the home page, first create a new project, set host IP, controller port number (SS-960RDM is 8 port, pay attention to 8 port), start ID, start IP address and total number of controller, or choose online automatic search.



III.Log in administrator account, enter password (ssg), and click OK;

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ogin	x
Password	re Notices
Ok	Cancel

IV.Connect the controller to the computer. After successful connection, the square on the right of the controller ID will be displayed as green and the status as $\sqrt{.}$ If it is not online, it will be displayed in gray with a state of \times (the left figure is unconnected and the right figure is connected). ;



V.After the controller is connected to the lamp, select the lamp in the operation

menu and click OK.

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Select Controller	×
Adapter IP 192.168.1.103 Select All Controllers <8> ✓ (ID=1 IP=) ✓ (ID=2 IP=) ✓ (ID=3 IP=) ✓ (ID=4 IP=) ✓ (ID=5 IP=) ✓ (ID=6 IP=) ✓ (ID=7 IP=) ✓ (ID=8 IP=)	✓Update Controller IP✓Select All Ports✓ P_1 ✓ P_2 ✓ P_3 ✓ P_4 ✓ P_5 ✓ P_6 ✓ P_7 ✓ P_8 ✓ P_9 ✓ P_10 ✓ P_11 ✓ P_12 ✓ P_13 ✓ P_14 ✓ P_15 ✓ P_16
	Ok Cancel

VI.System setting: Select the corresponding parameters according to the project

requirements;

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System Settings		-= ×
Basic Setting		
Layout File		-
Layout Information		
The Selected Lamp Wi	nen Enable	7
Host And Controller	Communication	
Host IP Address	192.168.1.103	*
Transmission Timeout	(ms) 100ms	-
Failed Retry(Times)	3	-
Controller And Lamp	Communication	
Baud Rate	250Kbps	-
Transmission Timeout	(ms) Auto	-
Failed Retry(Times)	2	T
🗄 Upload In Real Time		
🗄 Global Lamp Params	:	
Report To The Failur	e	

The parameter of

"Controller and lamp communication" is used to set the timeout time for the controller to allow the lamp response. Auto is the maximum response time defined in accordance with the standard RDM protocol. The drop-down list can be used to select a specific time to increase compatibility with other non-standard RDM lamps. In addition, when the real-time monitoring is started, if any fault is reported to the filled mailbox, the mailbox type supports 163 and QQ (note: the SMTP of the mailbox needs to be opened, please refer to the DOCUMENT of the SMTP opening method);

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Failure Monitoring		
Error threshold (Times)>	3	-
Offline Timeout (Seconds	100s	-
Drop Alarm	🗹 Yes	-
Temperature Alarm	🗹 Yes	-
Voltage Alarm	🗹 Yes	-
Current Alarm	Current Range	-
The Maximum Number O	20	-
Global Lamp Params		
Report To The Failure		
The Number Of Failed Co	5	-
Email Address		
Email Type	@163.com	-
Email password		
Receiving Email		
Message Title		
Failure Monitoring		24

VII.Controller firmware upgrade: select the path where the firmware is and click

"Ok". Pay attention to the format of the upload.

S960RDM8_BOOT_F113A113_AP P_F310A310.b990 B990 文件

VIII.Controller reset IP: Click and the following window will appear. Click yes to reset.

IX.Controller Sort and Reset ID: Enter the reset ID at the start ID, click Start Addressing, and the screen ID of the controller will change after successful

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addressing.

Controller Address	ing		×
Network B	Initial ID	Controller	
Host Adapter			
Find Controller		Exit	

X. Parameter Settings

XI.Select a chip model;

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XII. Basic parameters: select the number of channels on the chip; adaptive or 250Kbps can be selected for the baud rate; high or low level can be selected for the output polarity; click write parameters after the selection, and the corresponding prompt will be given if the writing is successful;

RDM02M01	🛛 Basic Parameter		
Basic Parameter	DMX Channels	4	
Expand The Chip Param	DMX Baud	Auto(100~840Kł 👻	
Brightness Parameter	Output Polarity	Valid on High Ele 🔻	
GAMMA Parameter			
Demo Animation Param			
Temperature Protection			
Channel-Address Mappi			
RDM Manufacturer Par			
RDM Sensor Parameter			
			Restore The Default
	Output Polarity		Write In The Current Paramete
			Close

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XIII Expand chip parameters, select a chip model, and set its gray level and PWM

refresh rate;

RDM02M01	Expand The Chip Par	rameter		
Basic Parameter	Extended Chip Model	PWM	14	
Expand The Chip Param	Grayscale	32768(15bit)	1	
Brightness Parameter	PWM Refresh Rate	480Hz	÷ 🔶	
GAMMA Parameter				
Demo Animation Param				
Temperature Protection				
Channel-Address Mappi				
RDM Manufacturer Par				
RDM Sensor Parameter				
				Restore The Default
				Write In The Current Paramete
				Close

XIV. Brightness parameters: the number of colors is monochromatic, two-color,

three-color, four-color, five-color and six-color. The brightness colors of each

RDM02M01	🗆 Brightness Parame	ter		
Basic Parameter	Pixel Color Count	Four Colors	1 🕶	
Expand The Chip Param	CH1 Channel Brightr	ne 100		
Brightness Parameter	CH2 Channel Brightr	ne 100		
GAMMA Parameter	CH3 Channel Brightr	ne 100		
Demo Animation Param	CH4 Channel Brightr	ne 100		
Temperature Protection				
Channel-Address Mappi				
RDM Manufacturer Par				
RDM Sensor Parameter				
			Re	store The Default
			+	Write In The Current Parameter
				Close

channel can be adjusted according to the requirements of the project;

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XV. GAMMA parameter: The GAMMA value defaults to 2.2. If you need to customize the GAMMA table, choose to start into the GAMMA table for setting;

RDM02M01	Anti-GAMMA Correction Parameter	
Basic Parameter	Custom GAMMA Tabl 🗌 Disable	-
Expand The Chip Param	GAMMA Value 2.2	
Brightness Parameter	GAMMA Compensatic 0	
GAMMA Parameter		
Demo Animation Param		
Temperature Protection		
Channel-Address Mappi		
RDM Manufacturer Par		
RDM Sensor Parameter		
		Restore The Default
		Write In The Current Parameter
		Close
12 (/-		

input(0~255)	Output(0~65536)	
0	0	
	12	
12		
	112	

(Figure: Custom GAMMA table)

XVI. Self-check animation parameters: Set the self-check animation parameters to

observe whether the lamp is damaged or no signal state;

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RDM02M01	Demo Animation Pa	rameter	
Basic Parameter	Self-Test Mode	RGB 7-Color Gra	• •
Expand The Chip Param	Self-Test Delay	5.0秒	-
Brightness Parameter	Self-Test Speed	25FPS	-
GAMMA Parameter	Self-Test Synchroniza	t 🗹 Enable	-
Demo Animation Param	Pixel Color Count	Four Colors	-
Temperature Protection	Self-Test Color (CH1)	255	
Channel-Address Mappi	Self-Test Color (CH2)	255	
RDM Manufacturer Par	Self-Test Color (CH3)	255	
RDM Sensor Parameter	Self-Test Color (CH4)	255	
			Restore The Default
			Write In The Current Parameter
			Close

XVII. Temperature protection parameters: start the temperature protection function, set the half power output temperature and turn off the lamp temperature. When the temperature exceeds the set value, the lamp will automatically turn off;

RDM02M01	Temperature Protection Parameter	
Basic Parameter Expand The Chip Param Brightness Parameter GAMMA Parameter Demo Animation Param		
Temperature Protection Channel-Address Mappi RDM Manufacturer Par RDM Sensor Parameter		Restore The Default
		Write In The Current Parameter Close

XVIII.Channel address mapping parameters: After enabling, the relationship between DMX address and output channel is defined by the address table, and

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×.



64 channel output is supported at most;

RDM02M01	Channel Mapping Parameter		
Basic Parameter	The Table for Channel 🔲 Disable	-	
Expand The Chip Param			
Brightness Parameter			
GAMMA Parameter			
Demo Animation Param			
Temperature Protection			
Channel-Address Mappi			
RDM Manufacturer Par			
RDM Sensor Parameter			
			Restore The Default
			Write In The Current Parameter
			Close

XIX. RDM manufacturer parameters: The manufacturer label can be entered manually, and the lamp label and running time Settings can also be set after being turned on;

▲ RDM02M01	RDM Manufacturer	Parameter	
Basic Parameter	Manufacturer Label		
Expand The Chip Param	Set The Lamp Label	🗌 Disable	
Brightness Parameter			
GAMMA Parameter			
Demo Animation Param			
Temperature Protection			
Channel-Address Mappi			
RDM Manufacturer Par			
RDM Sensor Parameter			
			Restore The Default
			Write In The Current Parameter
			Close

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XX.RDM sensor parameters

Rated temperature range: According to the actual project concerned temperature setting;

Rated voltage range: Set according to the power supply voltage of the actual project lamps;

Rated working current: Set according to the current of the actual project lamps; Voltage divided voltage resistance, voltage divided voltage resistance: need to write according to the actual value of the circuit, the choice of resistance value refer to the design.

Current feedback resistance, current grounding resistance, current sampling resistance: it needs to be written according to the actual value of the circuit. The selection of resistance value should refer to the design.(Note: For RDM03M01, only one current sampling resistance can be set (written according to the actual value of the circuit), while other resistance Settings are fixed, so the software can't be set for the ash state. The left figure is DMX02R, and the right figure is RDM03M01.)

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		x
A RDM03M01	Normal Min Temperat -40	
Basic Parameter	Normal Max Temperal 85	
Expand Chip	Normal Min Voltage(V 10	
Intensity Control	Normal Max Voltage(\ 14	
GAMMA Correction	Normal Min Current(A 0	
Self-Check Animation	Normal Max Current(# 60	
Temperature Protection	Partial Resistance Upo 51	
Channel Address Mappi	Partial Resistance Und 3	
RDM Manufacturer	Current Feedback Resi 10	
RDM Sensor	Current Ground Resist 1	
Security Settings	Current Sampling Resi 0.1	Restore The Default
User Settings		Restore the Default
Other Settings		Write In The
		Current Parameter
		Close
▲ RDM02M01	RDM Sensor Parameter	
 RDM02M01 Basic Parameter 	RDM Sensor Parameter Record The Support The Maximum	
	the second s	
Basic Parameter	Record The Support The Maximum -	
Basic Parameter Expand The Chip Param	Record The Support The Maximum - Self-Test The Current . 🗹 Enable -	
Basic Parameter Expand The Chip Param Brightness Parameter	Record The Support The Maximum ▼ Self-Test The Current .	
Basic Parameter Expand The Chip Param Brightness Parameter GAMMA Parameter	Record The Support The Maximum - Self-Test The Current . The Maximum - Normal Min Temperat -40 Normal Max Temperat 85	
Basic Parameter Expand The Chip Param Brightness Parameter GAMMA Parameter Demo Animation Param	Record The Support The Maximum - Self-Test The Current . Tenable - Normal Min Temperat -40 Normal Max Temperat 85 Normal Min Voltage(v 10	
Basic Parameter Expand The Chip Param Brightness Parameter GAMMA Parameter Demo Animation Param Temperature Protection	Record The Support The Maximum - Self-Test The Current. I Enable - Normal Min Temperat -40 Normal Max Temperat 85 Normal Min Voltage(V 10 Normal Max Voltage(V 14	
Basic Parameter Expand The Chip Param Brightness Parameter GAMMA Parameter Demo Animation Param Temperature Protection Channel-Address Mappi	Record The Support The Maximum Self-Test The Current. Finable Normal Min Temperat -40 Normal Max Temperat 85 Normal Min Voltage(V 10 Normal Max Voltage(V 14 Normal Min Current(A 0	
Basic Parameter Expand The Chip Param Brightness Parameter GAMMA Parameter Demo Animation Param Temperature Protection Channel-Address Mappi RDM Manufacturer Par	Record The Support The Maximum Self-Test The Current. Finable Normal Min Temperat -40 Normal Max Temperat 85 Normal Min Voltage(V 10 Normal Max Voltage(V 14 Normal Min Current(A 0 Normal Max Current(/ 60	
Basic Parameter Expand The Chip Param Brightness Parameter GAMMA Parameter Demo Animation Param Temperature Protection Channel-Address Mappi RDM Manufacturer Par	Record The Support The Maximum Self-Test The Current. Finable Normal Min Temperat -40 Normal Max Temperat 85 Normal Min Voltage(V 10 Normal Max Voltage(V 14 Normal Min Current(A 0 Normal Max Current(/ 60 Partial Resistance Upo 50	Restore The Default
Basic Parameter Expand The Chip Param Brightness Parameter GAMMA Parameter Demo Animation Param Temperature Protection Channel-Address Mappi RDM Manufacturer Par	Record The Support The Maximum Self-Test The Current. Finable Normal Min Temperat -40 Normal Max Temperat 85 Normal Min Voltage(V 10 Normal Max Voltage(V 14 Normal Min Current(A 0 Normal Max Current(/ 60 Partial Resistance Upo 50 Partial Resistance Und 5	Restore The Default Write In The Current Parameter

Ten.one.one Security Settings (RDM03M01 chip) : The parameter write protection is divided into primary write protection and full write protection. The primary write protection cannot write other data except DMX address and device label, and all write protection is forbidden to write all parameters;

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 RDM03M01 	Security Settings	
Basic Parameter	Super Administrator P	
Expand Chip		
Intensity Control		
GAMMA Correction		
Self-Check Animation		
Temperature Protection		
Channel Address Mappi		
RDM Manufacturer		
RDM Sensor		
Security Settings		Restore The Default
User Settings		
Other Settings		Write In The Current Parameter
		Close

XI.two User setting (RDM03M01 chip) : start and limit working time, setting time in

hours;

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RDM03M01	User Settings	
Basic Parameter	Super Administrator P	
Expand Chip		
Intensity Control		
GAMMA Correction		
Self-Check Animation	0	
Temperature Protection	on	
Channel Address Map	opi	
RDM Manufacturer		
RDM Sensor		
Security Settings		Restore The Default
User Settings		
Other Settings		Write In The Current Parameter
		Close

XII.three Generate burn file: Select the path of APP firmware and click ok to

generate burn file.

(Note: After setting the content of each page, please click to write the current parameter separately.)

Chapter six Factory configuration

I.Ss-960rdm controller; II.The power cord; III.The description; IV.User manual; V.Warranty card.

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Chapter seuen Matters needing Attention

I.Cut off the power supply before installation to avoid electric shock; II.Before debugging, check whether there is a short circuit in the external circuit, so as to avoid the decline of product components and the failure of normal use; III.When debugging and using the controller, pay attention to waterproof, anti-steam, anti-knock, otherwise easy to cause faults and electric shock; IV.We shall not disassemble the products without our consent.

V.Customers are requested to connect, operate and use the products in accordance with our company's product instructions. In case of any violation of our company's product instructions,

Our company will not be responsible for any product failure.

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