

STM500

User Manual



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TECHNICAL PARAMETERS

Light source

Voltage: AC100~240V50/60HZ

Power: 28V/500W

5050RGB(0.25w)540 lamp beads +3030 two-color 450 lamp beads

Controls

Control mode: DMX512, self-propelled, master-slave, voice control and RDM function.

Channels: CH12, CH26, CH283

Effect

Linear dimming features: 60-segment RGB+100-segment double-color gold light single-point control

Construction

Working temperature: -30 ~50℃

Strobe frequency: 1~30HZ

Connection mode: DMX512 input/output/power input/output

IP grade: IP20.

Weight&Dimension

Size: 430*127*271MM

Weight: 6KG

Display panel and key definition

Panel operation



MENU: Select the function mode or return to the previous menu.

UP: select up

DOWN: select down.

ENTER: confirm the selection.

primary menu	default	Secondary submenu	Three-level submenu	remarks
Addr	d001	d001-d512		Address code, press enter key to enter submenu 1, press up key or down key to select the address code, and press

				enter key to save the address code.
CHAL	CH26	CH12		Channel, press OK to enter submenu 1, press the up key or the down key to select the channel, and press OK to save the channel.
		CH26		
		CH283		
AUTO	CA20	CA20	S00-S50	Press the Enter key to enter the second level, press the Up key or the Down key to select the self-propelled effect, and then press the Enter key to enter the third level. The third level menu includes: s00-s50 speed and c000-c255 color. In the third level menu, press the Enter key to switch between speed and color and save the self-propelled type and speed, and press the Menu key to return to the second level menu.
		...		
		yj20	C000-C255	
SOUD	A099	AO01-AO99	NO00-S559	Two-level menu of voice control mode: sensitivity three-level menu effect N000-N559 OFF/ON silent, then off/slow down.
			OFF/ON	
STAT	r000	r000-r255		Red manual dimming
	g000	g000-g255		Green manual dimming
	b000	b000-b255		Blue manual dimming
	w000	w000-w255		White 1 Manual Dimming
	y000	y000-y255		Yellow 1 Manual Dimming
	w000	w000-w255		White 2 Manual Dimming
	y000	y000-y255		Yellow 2 Manual Dimming
	c000	c000-c146		character
	m000	m000-m255		electrical machinery
	t000	t000-b255		stroboscopic
Rest	OFF	OFF/ON		Restore factory settings

Channel 12	Channel value	Channel value	fundamental function
1	000-255	000-255	Motor stroke
2	000-255	000-255	Motor fine tuning
3	000-255	000-255	Motor speed
4	000-255	000-255	stroboscopic
5	000-255	000-255	R red light bulb dimming
6	000-255	000-255	G green light bulb dimming
7	000-255	000-255	B blue light bulb dimming
8	000-255	000-255	W1 White Lamp Bead Dimming
9	000-255	000-255	Y1 yellow light bulb dimming
10	000-255	000-255	W2 White Lamp Bead Dimming
11	000-255	000-255	Y2 yellow light bulb dimming
12	000-255	000-255	reset

Channel 26	Channel value	Channel value	fundamental function
1	000-255	000-255	Motor stroke
2	000-255	000-255	Motor fine tuning
3	000-255	000-255	Motor speed
4	000-255	000-255	RGB total dimming
5	000-255	000-255	RGB stroboscopic
6	000-255	000-255	RGB position
7	000-255	000-255	RGB color
8	000-255	000-255	RGB character
9	000-255	000-255	RGB effect
10	000-255	000-255	RGB speed
11	000-255	000-255	WY1 stroboscopic
12	000-255	000-255	WY1 color
13	000-255	000-255	WY1 effect
14	000-255	000-255	WY1 speed
15	000-255	000-255	WY2 stroboscopic
16	000-255	000-255	WY2 color
17	000-255	000-255	WY2 effect
18	000-255	000-255	WY2 speed
19	000-255	000-255	R red light bulb dimming
20	000-255	000-255	G green light bulb dimming
21	000-255	000-255	B blue light bulb dimming
22	000-255	000-255	W1 White Lamp Bead Dimming
23	000-255	000-255	Y1 yellow light bulb dimming
24	000-255	000-255	W2 White Lamp Bead Dimming
25	000-255	000-255	Y2 yellow light bulb dimming
26	000-255	000-255	reset

Channel 283	Channel value	Channel value	fundamental function
one	000-255	000-255	Motor stroke
2	000-255	000-255	Motor fine tuning
three	000-255	000-255	Motor speed
four	000-255	000-255	R linear dimming of red lamp beads in the first paragraph
five	000-255	000-255	G Linear dimming of green lamp beads in the first paragraph
six	000-255	000-255	B Linear dimming of blue lamp beads in the first paragraph

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61	000-255	000-255	R Paragraph 60 Linear Dimming of Red Lamp Beads
62	000-255	000-255	G Paragraph 60 Linear Dimming of Green Lamp Beads
63	000-255	000-255	B Paragraph 60 Linear Dimming of Blue Lamp Beads
64	000-255	000-255	W1: Linear Dimming of White Lamp Beads in Section 1
65	000-255	000-255	Y1 1st paragraph yellow light bulb linear dimming
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259	000-255	000-255	W1 Paragraph 40 Linear Dimming of White Lamp Beads
260	000-255	000-255	Y1 Paragraph 40 Linear Dimming of Yellow Lamp Beads
261	000-255	000-255	W2 Paragraph 1 Linear Dimming of White Lamp Beads
262	000-255	000-255	Y2 Linear Dimming of Yellow Lamp Beads in Section 1
... ↓	... ↓	... ↓	... ↓
282	000-255	000-255	W2 Paragraph 10 Linear Dimming of White Lamp Beads
283	000-255	000-255	Y2 Linear Dimming of Yellow Lamp Beads in 10th Paragraph

backstage		
r000	r000-r255	Power adjustment of red lamp bead
g000	g000-g255	Power adjustment of green lamp bead
b000	b000-b255	Power adjustment of blue lamp bead
w000	w000-w255	White light bulb power adjustment
y000	y000-y255	Power adjustment of yellow lamp bead
w000	w000-w255	White light bulb power adjustment
y000	y000-y255	Power adjustment of yellow lamp bead
n000	n000-n255	Reduce power
l000	l000-l255	Maximum rate
000	-128-127	Motor calibration
OFF	OFF/ON	send

Product maintenance and cleaning

Please pay attention to the following points when testing this product:

- 1.All screws and parts for installing products must be closely connected and cannot rust.
- 2.The shell, lens, fasteners and installation sites (such as ceilings, hangers, trusses, etc.) shall not be deformed.
- 3.Mechanical moving parts must not be worn and cannot rotate unevenly.
- 4.The power cord must not be damaged, the material is broken or scarred.

The installation and use of products must be carried out by trained professional and technical personnel, and the potential safety hazards must be eliminated.

Note: Please unplug the power cord before performing product maintenance.

In order to keep the product in good condition and prolong its service life, we suggest that the product be cleaned regularly.

1. Clean the external lens and internal lens of the product every week to prevent the light output of the product from weakening due to dust accumulation on the lens.
2. Clean the fan every week.
3. Every three months, a professional electrical engineer will conduct a detailed circuit inspection of the product to ensure that the circuit contacts are in good condition to prevent the circuit contacts from aging due to overheating.

We suggest that the products should be cleaned regularly. Please be careful not to use damp or linen, and never use alcohol or solvent for cleaning.

This product is not equipped with replacement parts. Please refer to the "Installation Instructions" section. If users need any spare parts, please buy them from local dealers.

REMARK

The product has perfect performance and intergrity packing.

All users should be strictly comply with the warning and operating instructions as stated.

Or we aren 't in charge of any result by misusing.

Any damage resulting by misuse is not within the Company 's warranty.

Any fault or problem caused by neglecting the manual is also not in the charge of dealers.

Errors and omissions for every information given in this manual excepted.

All information is subject to change without prior notice.