Stage Lighting Equipment User Manual

MAC One



Read the instructions carefully before use.

1. Safety Instructions

Please read the instruction manual carefully to understand the usage, operation, and maintenance information for this product.

- Keep the user manual for future reference. If you sell it to other users, ensure they also receive this manual.
- All equipment is complete and original from the manufacturer. Please operate according to the instructions. Damages caused by failure to follow the instructions are not covered by the warranty.
- After opening the package, please inspect whether the product has been damaged during transportation before use.
- This product is designed for indoor use only and should be used in a dry environment.
- It is recommended that this product be operated by technicians familiar with it.
- Use a safety rope during installation. Do not lift the entire product through the lamp head.
- This product must be installed in a well-ventilated environment and at least 50 cm above the ground surface.
- Ensure that no ventilation holes are blocked, which could cause the product to overheat during operation.
- Before operation, ensure that the voltage and power frequency meet the product requirements.
- Yellow and green conductors must be grounded to prevent electric shock.
- The maximum temperature is TA: 40 °C. Stop operating when the ambient temperature exceeds this maximum value.
- Do not connect this product to other dimmers.
- Upon first use, smoke or an unpleasant odor may be present; these will disappear after a few minutes of operation.
- Ensure there are no flammable materials nearby before use to prevent a fire!
- Check the power cord carefully; replace it immediately if any damage is found.
- Avoid prolonged operation to prevent shortening its service life. Do not allow flammable liquids, water, or metal objects to enter the lamp.
- Once an accident occurs, immediately cut off the power supply.
- Do not use in dirty or dusty environments, and remember to clean the equipment regularly.
- Please prevent children from touching or operating this device.
- During operation, do not touch any electrical wires to avoid the risk of electric shock.
- Avoid entangling power cords with other cables.
- Do not connect to the main power supply when replacing a fuse, bulb, or performing repairs.
- When replacing a fuse, use only a fuse of the same model.
- Stop the operation immediately if a severe operational failure occurs.
- Do not repeatedly turn on and off this product.
- If the casing, lens, or UV filter shows obvious damage, it must be replaced.
- Do not open this product. It does not contain any user-repairable components.
- Do not repair this product without authorization. Non-technical personnel operating or

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repairing this product may cause damage or malfunction. If the product malfunctions, contact the authorized technical support center.

- Do not connect to the main power supply immediately if the device has not been used for a long time.

1. Menu:

order number	Menu Level 1	Menu Level 2		description
1	address code	1-512		
2	parameter setting	Channel Mode Settings	20CH/36CH/ 108CH/20aCH/24CH	
		XY Error Correction Enabling	On/Off	
		Reverse X-axis	On/Off	
		Reverse Y-axis	On/Off	
		XY axis swap	On/Off	
		Voice sensitivity	1-99	
		Display Settings	language	Chinese/English
			Show reverse	On/Off
			Backlight settings	30S
		factory data reset	Yes/No	
		Signal Maintenance	Yes/No	Default: No
		Dimming curve	linear	give tacit consent to
			square	
			Negative Square	
			S curve	
		Lee pattern	pattern 1	give tacit consent to
			pattern 2	
		Fan Mode	Automatic Fan	give tacit consent to
			Silent fan	
			Rapid Fan	
		XY velocity	0-255	XY speed decreases from fast to slow
3	hand movement	Manual Channel	stroboflash ...	
			Radiant Blue	
		reset	Yes/No	
4	Motor Calibration			
5	Self-guided Control	Dmx pattern		
		voluntarily		
		sound control		
6	information	Led available machine time		
		Lamp startup time		
		software release		
		RDMUID a sign or		

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order number	Menu Level 1	Menu Level 2		description
		object indicating number		
		Reduction detection information		
		safe		
		Information from the optical coupling encoding disc		

1、channel table ：

CompactDMXMode20CH Channel Data Table

Channel	DMX Value	Function	Windows default
1		**Primary light strobe**	
	0–19	Flicker Switch	
	20–49	Main Light On	
	50–200	Synchronous strobe from slow to fast	
	201–210	Main Light On	
	211–255	Random stroboscopic motion from slow to fast	
2	0-65535	**Main dimming**	
3		Dimming: From dark to bright	
4	0-65535	**red**	
5		Color transitions from dark to light	
6	0-65535	**green**	
7		Color transitions from dark to light	
8	0-65535	**blue**	
9		Color transitions from dark to light	
10		**colour temperature**	
	0-10	NF	
	11-38	2000K	
	39		
	..		
	127	6450K	
	128	6500K	
	129	6550K	
	...		
	255	12850K	
11		**Tint (green magenta offset)**	
	0	Δuv − 0.05 (shifted toward magenta)	
	1-126	Δuv - 0.05 → Δuv 0.00	
	127-128	Δuv 0.00 (no offset)	

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CompactDMXMode20CH Channel Data Table

Channel	DMX Value	Function	Windows default
	129-254	Δuv 0.00 → Δuv + 0.05	
	255	Δuv + 0.05 (shifted toward the green color direction)	
12		**Virtual Color Paper**	
	0-10	Function: Close	
	11-106	LEE...	
	107-255	Function: Close	
13		**zoom**	
	0–51400	Zoom angle from small to large	
14	51401–57825	Pulse mode: Forward, from fast to slow	
	57826–59110	Pulse Mode Stop	
	59111–65535	Pulse mode: Reverse, from slow to fast	
15		**horizontal**	
16	0-65535	horizontal scroll	
17		**perpendicular**	
18	0-65535	vertical movement	
19		**Lamp Control/Setting**	
	0–9	NF	
	10–14	Reset the entire light (wait 5 seconds)	
	15–16	NF	
	17	Zoom motor reset (wait 5 seconds)	
	18	XY motor reset (wait 5 seconds)	
	19–22	NF	
	23	Linear dimming mode (wait 1S)	
	24	Square dimming mode (wait 1S)	
	25	Negative square dimming mode (wait 1S)	
	26	S-curve dimming mode (wait 1 second)	
	27-255	NF	
20		**LED Frequency Setting**	
	0-255	NF	

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BaseDMXMode36CH Channel Data Table

Channel	DMX Value	Function	Windows default
21	0-255	NF	
22		**Auxiliary Light Source/Macro Effect**	
	0-51	NF	
	52-255	Auxiliary Light Macro Effect	
23		**Auxiliary Light Macro Effect**	
	0–255	Auxiliary lighting macro effect speed: slow to fast	
24		**NF**	
	0-255	NF	
25		**NF**	
	0–255	NF	
26		**NF**	
	0–255	NF	
27		**Auxiliary optical strobe**	
	0–19	Flicker Switch	
	20–49	opening the light	
	50–255	Flicker from slow to fast	
28	0-65535	**Auxiliary light dimming**	
29		Dimming: From dark to bright	
30	0-255	**Auxiliary Red**	
		From dark to light	
31	0-255	**Auxiliary Green**	
		From dark to light	
32	0-255	**Auxiliary Blue**	
		From dark to light	
33		**assist CTC**	
	0-10	NF	
	11-38	2000K	
	39		
	..		
	127	6450K	
	128	6500K	
	129	6550K	
	...		
	255	12850K	
34		**Auxiliary Light Tint (green magenta offset)**	
	0	Δuv − 0.05 (shifted toward magenta)	
	1-126	Δuv - 0.05 → Δuv 0.00	
	127-128	Δuv 0.00 (no offset)	
	129-254	Δuv 0.00 → Δuv + 0.05	
	255	Δuv + 0.05 (shifted toward the green color direction)	

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BaseDMXMode36CH Channel Data Table

Channel	DMX Value	Function	Windows default
35		**Auxiliary Light Virtual Color Paper**	
	0-10	Guan	
	11-255	LEE...	
36		**NF**	
	0–255	NF	

BaseDMXMode108CH Channel Data Table

Channel	DMX Value	Function	Windows default
37		**Auxiliary Red 1**	
	0-255	0 → 100%	
38		**Auxiliary Green 1**	
	0-255	0 → 100%	
39		**Auxiliary Blue 1**	
	0–126	0 → 100%	
...	...	...	
106		**Auxiliary Red 24**	
	0-255	0 → 100%	
107		**Auxiliary Green 24**	
	0-255	0 → 100%	
108		**Auxiliary Blue 24**	
	0–255	0 → 100%	

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CompactDirectDMXMode20aCH Channel Data Table

Channel	DMX Value	Function	Windows default
1		Flicker Switch	
	0–19	Main Light On	
	20–49	Synchronous strobe from slow to fast	
	50–200	Main Light On	
	201–210	Random stroboscopic motion from slow to fast	
	211–255	**Main dimming**	
2	0-65535	Dimming: From dark to bright	
3		**red**	
4	0-65535	Color transitions from dark to light	
5		**green**	
6	0-65535	Color transitions from dark to light	
7		**blue**	
8	0-65535	Color transitions from dark to light	
9		Flicker Switch	
10	0-65535	**Lemon Yellow**	
11		Color transitions from dark to light	
12		**Primary Light Virtual Color Paper**	
	0-10	Guan	
	11-106	LEE...	
	107-255	Guan	
13		**zoom**	
	0–51400	Zoom angle from small to large	
14	51401–57825	Pulse mode: Forward, from fast to slow	
	57826–59110	Pulse Mode Stop	
	59111–65535	Pulse mode: Reverse, from slow to fast	
15		**horizontal**	
16	0-65535	horizontal scroll	0
17		**perpendicular**	
18	0-65535	vertical movement	0
19		**Lamp Control/Setting**	
	0–9	NF	
	10–14	Reset the entire light (wait 5 seconds)	
	15–16	NF	
	17	Zoom motor reset (wait 5 seconds)	
	18	XY motor reset (wait 5 seconds)	

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CompactDirectDMXMode20aCH Channel Data Table

Channel	DMX Value	Function	Windows default
	19–22	NF	
	23	Linear dimming mode (wait 1S)	
	24	Square dimming mode (wait 1S)	
	25	Negative square dimming mode (wait 1S)	
	26	S-curve dimming mode (wait 1 second)	
	27-255	NF	
20		**NF**	
	0-255	NF	

CustomDMXMode24CH Channel Data Table

Channel	DMX Value	Function	Windows default
1		**horizontal**	
2	0-65535	horizontal scroll	0
3		**perpendicular**	
4	0-65535	vertical movement	0
5		**Horizontal and vertical speed adjustment**	
	0-255	Vertical horizontal motor speed (fast → slow)	
6		**stroboflash**	
	0–19	Flicker Switch	
	20–49	Main Light On	
	50–200	Synchronous strobe from slow to fast	
	201–210	Main Light On	
	211–255	Random stroboscopic motion from slow to fast	
7	0-255	**Main dimming**	
		Dimming: From dark to bright	
8	0-255	**red**	
		Color transitions from dark to light	
9	0-255	**green**	
		Color transitions from dark to light	
10	0-255	**blue**	
		Color transitions from dark to light	
11	0-255	Flicker Switch	
		Lemon Yellow	

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CustomDMXMode24CH Channel Data Table

Channel	DMX Value	Function	Windows default
12		**zoom**	
	0–51400	Zoom angle from small to large	
13	51401–57825	Pulse mode: Forward, from fast to slow	
	57826–59110	Pulse Mode Stop	
	59111–65535	Pulse mode: Reverse, from slow to fast	
14		**colour temperature**	
	0-10	NF	
	11-38	2000K	
	39		
	..		
	127	6450K	
	128	6500K	
	129	6550K	
	...		
	255	12850K	
15		**Tint (green magenta offset)**	
	0	Δuv − 0.05 (shifted toward magenta)	
	1-126	Δuv - 0.05 → Δuv 0.00	
	127-128	Δuv 0.00 (no offset)	
	129-254	Δuv 0.00 → Δuv + 0.05	
	255	Δuv + 0.05 (shifted toward the green color direction)	
16		**Virtual Color Paper**	
	0-10	Function: Close	
	11-106	LEE...	
	107-255	Function: Close	
17		**Auxiliary optical strobe**	
	0–19	Flicker Switch	
	20–49	opening the light	
	50–255	Flicker from slow to fast	
18	0-255	**Auxiliary light dimming**	
		Dimming: From dark to bright	
19	0-255	**Auxiliary Red**	
		From dark to light	
20	0-255	**Auxiliary Green**	
		From dark to light	
21	0-255	**Auxiliary Blue**	
		From dark to light	

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CustomDMXMode24CH Channel Data Table

Channel	DMX Value	Function	Windows default
22		**Auxiliary Light Source/Macro Effect**	
	0-51	NF	
	52-255	Auxiliary Light Macro Effect	
23		**Auxiliary lighting macro effect speed**	
	0–255	Auxiliary lighting macro effect speed: slow to fast	
24		**Lamp Control/Setting**	
	0–9	NF	
	10–14	Reset the entire light (wait 5 seconds)	
	15–16	NF	
	17	Zoom motor reset (wait 5 seconds)	
	18	XY motor reset (wait 5 seconds)	
	19–22	NF	
	23	Linear dimming mode (wait 1S)	
	24	Square dimming mode (wait 1S)	
	25	Negative square dimming mode (wait 1S)	
	26	S-curve dimming mode (wait 1 second)	
	27-255	NF	

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technical parameter ：

Voltage: AC 100–240 V, 50/60 Hz

Light source power: Red, green, blue, and lemon-colored light source, 150W.
Total power: 200W
Auxiliary lighting: 24 high-brightness RGB LEDs.
Dimming: 16-bit linear smooth dimming from 0% to 100%.

Zoom: Electric zoom, 19–27 degrees. The zoom channel features continuous dynamic zoom pulses.
Channel: 20CH/36CH/108CH/20aCH
Control modes: DMX512, autonomous, voice-controlled, master-slave, with RDM operation support.

Level: 540°

Vertical: 200°

Net weight: 4.5 kg

Cabinet dimensions: 255mm × 185mm × 370mm