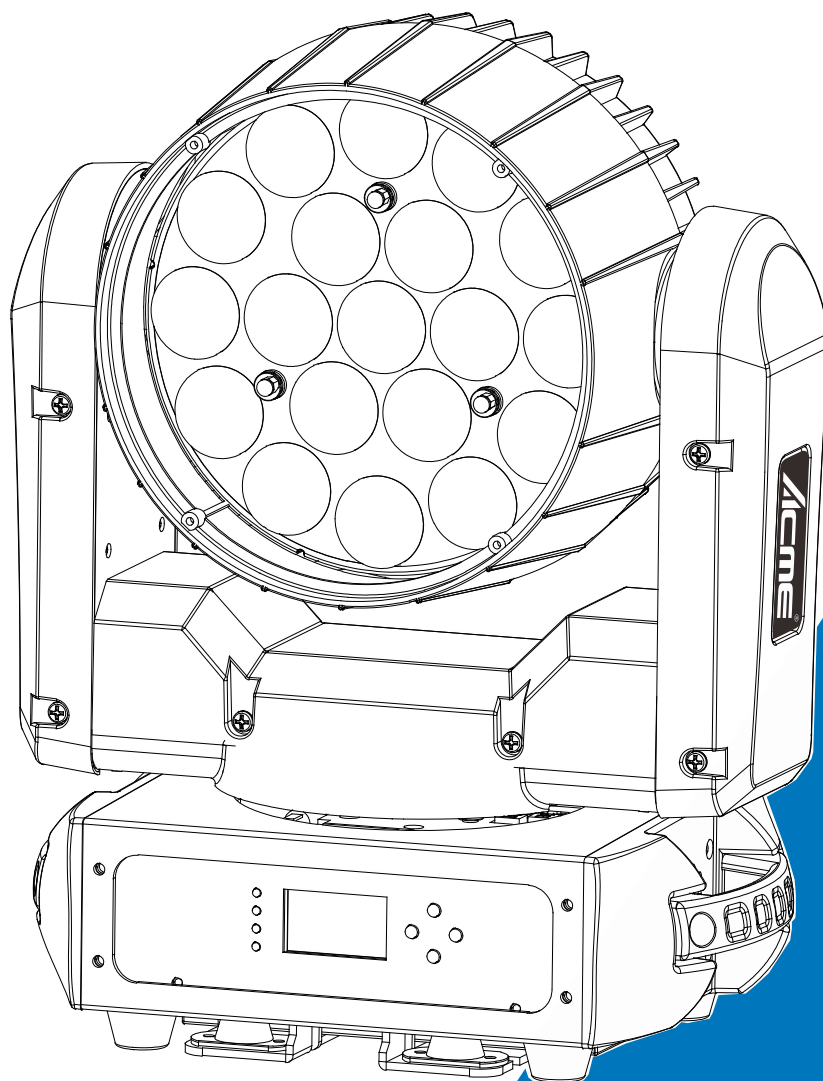




PAGEANT 300ZR II



User Manual

Please read the instruction carefully before use

3. Connect the unit together in a `daisy chain` by XLR plug from the output of the unit to the input of the next unit. The cable can not branched or split to a `Y` cable. DMX 512 is a very high-speed signal. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system.
4. The DMX output and input connectors are pass-through to maintain the DMX circuit, when one of the units' power is disconnected.
5. Each lighting unit needs to have an address set to receive the data sent by the controller. The address number is between 1-512.
6. The end of the DMX 512 system should be terminated to reduce signal errors.
7. 3 pin XLR connectors are more popular than 5 pin XLR.
 - 3 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+).
 - 5 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+), Pin 4/Pin 5: Not used.

4.2 Address Setting

If you use a universal DMX controller to control the units, you have to set DMX address from 1 to 512 so that the units can receive DMX signal.

Press MENU button to enter menu mode, select DMX Functions, press the ENTER button to confirm, use the UP/DOWN button to select DMX Address, press the ENTER button to confirm, the present address will blink on the display, use the UP/DOWN button to adjust the address from 001 to 512, and press the ENTER button to store. Press the MENU button back to the last menu or let the unit idle 30 seconds to exit menu mode.

Please refer to the following diagram to address your DMX512 channel for the first 4 units:

Channel mode	Unit 1 Address	Unit 2 Address	Unit 3 Address	Unit 4 Address
14 channels	1	15	29	43
26 channels	1	27	53	79
30 channels	1	31	61	91

4.3 DMX512 Configuration

Please refer to below configurations to control the fixtures

Attentions:

1. The unit will maintain the last condition until reset if you cut-off the DMX signal.
2. For the channel Function, keep the value for about 3 seconds, then the corresponding function will take into effect.

14 Channels Mode(Mode 1):

CHANNEL	VALUE	FUNCTION
1	000-255	PAN 0°→540°
2	000-255	PAN FINE
3	000-255	TILT 0°→270°
4	000-255	TILT FINE
5	000-255	PAN/TILT SPEED fast→slow
6	000-009 010-014 015-255	SPECIAL FUNCTIONS No function Reset all No function
7	000-255	DIMMER 0%→100%
8	000-019 020-024 025-064 065-069 070-084 085-089 090-104 105-109 110-124 125-129 130-144 145-149 150-164 165-169 170-184	SHUTTER No function Open Strobe 1: fast → slow Open Strobe 2: slow open fast close, fast → slow Open Strobe 3: fast open slow close, fast → slow Open Strobe 4: random strobe, fast → slow Open Strobe 5: random slow open fast close, fast → slow Open Strobe 6: random fast open slow close, fast → slow Open Strobe 7: burst pulse, fast → slow

	185-189 190-204 205-209 210-224 225-229 230-244 245-255	Open Strobe 8: random burst pulse, fast → slow Open Strobe 9: sine wave, fast → slow Open Strobe 10: burst, fast → slow Open
9	000-255	RED (0%→100%)
10	000-255	GREEN (0%→100%)
11	000-255	BLUE (0%→100%)
12	000-255	WHITE (0%→100%)
13	000-009 010-014 015-019 020-024 025-029 030-034 035-039 040-044 045-049 050-054 055-059 060-064 065-069 070-074 075-079 080-084 085-089 090-094 095-099 100-104 105-109 110-114 115-119 120-124 125-129 130-134 135-139 140-144 145-149 150-154 155-159	COLOR PRESET Open Color 1 Color 2 Color 3 Color 4 Color 5 Color 6 Color 7 Color 8 Color 9 Color 10 Color 11 Color 12 Color 13 Color 14 Color 15 Color 16 Color 17 Color 18 Color 19 Color 20 Color 21 Color 22 Color 23 Color 24 Color 25 Color 26 Color 27 Color 28 Color 29 Color 30

	160-164 165-169 170-174 175-179 180-201 202-207 208-229 230-234 235-239 240-244 245-249 250-255	Color 31 Color 32 Color 33 Open Color change, fast → slow Stop Color change, slow → fast Open Color change: fast Color change: standard Color change: slow Open
14	000-255	ZOOM 60°→10°

26 Channels Mode(mode 2):

CHANNEL	VALUE	FUNCTION
1	000-255	PAN 0°→540°
2	000-255	PAN FINE
3	000-255	TILT 0°→270°
4	000-255	TILT FINE
5	000-255	PAN/TILT SPEED fast→slow
6	000-255	ZOOM 60°→10°
7	000-009 010-014 015-255	SPECIAL FUNCTIONS No function Reset all No function
8	000-255	DIMMER 0%→100%
9	000-019 020-024 025-064 065-069 070-084 085-089	SHUTTER No function Open Strobe 1: fast → slow Open Strobe 2: slow open fast close, fast → slow Open

	090-104 105-109 110-124 125-129 130-144 145-149 150-164 165-169 170-184 185-189 190-204 205-209 210-224 225-229 230-244 245-255	Strobe 3: fast open slow close, fast → slow Open Strobe 4: random strobe, fast → slow Open Strobe 5: random slow open fast close, fast → slow Open Strobe 6: random fast open slow close, fast → slow Open Strobe 7: burst pulse, fast → slow Open Strobe 8: random burst pulse, fast → slow Open Strobe 9: sine wave, fast → slow Open Strobe 10: burst, fast → slow Open
10	000-255	RING 1 RED (0%→100%)
11	000-255	RING 1 GREEN (0%→100%)
12	000-255	RING 1 BLUE (0%→100%)
13	000-255	RING 1 WHITE (0%→100%)
14	000-009 010-017 018-024 025-032 033-039 040-047 048-054 055-061 062-069 070-076 077-084 085-091 092-099 100-106 107-113 114-121 122-128 129-136 137-143 144-151 152-158 159-165	RING 1 COLOR PRESET Open Color1 Color2 Color3 Color4 Color5 Color6 Color7 Color8 Color9 Color10 Color11 Color12 Color13 Color14 Color15 Color16 Color17 Color18 Color19 Color20 Color21

	166-173 174-180 181-188 189-195 196-203 204-210 211-217 218-225 226-232 233-240 241-247 248-255	Color22 Color23 Color24 Color25 Color26 Color27 Color28 Color29 Color30 Color31 Color32 Color33
15	000-255	RING 2 RED (0%→100%)
16	000-255	RING 2 GREEN (0%→100%)
17	000-255	RING 2 BLUE (0%→100%)
18	000-255	RING 2 WHITE (0%→100%)
19	000-255	RING 2 COLOR PRESET (The same as CH14: RING 1 COLOR PRESET)
20	000-255	RING 3 RED (0%→100%)
21	000-255	RING 3 GREEN (0%→100%)
22	000-255	RING 3 BLUE (0%→100%)
23	000-255	RING 3 WHITE (0%→100%)
24	000-255	RING 3 COLOR PRESET (The same as CH14: RING 1 COLOR PRESET)
25	000-007 008-022 023-037 038-052 053-067 068-082 083-097 098-112 113-127 128-142 143-157 158-172 173-187 188-202 203-217 218-232 233-247	COLOR MACRO Blackout Macro 1 Macro 2 Macro 3 Macro 4 Macro 5 Macro 6 Macro 7 Macro 8 Macro 9 Macro 10 Macro 11 Macro 12 Macro 13 Macro 14 Macro 15 Macro 16

	248-255	Macro 17
26	000-255	COLOR MACRO SPEED Slow→Fast

30 Channels Mode (mode 3):

CHANNEL	VALUE	FUNCTION
1	000-255	PAN 0°→540°
2	000-255	PAN FINE
3	000-255	TILT 0°→270°
4	000-255	TILT FINE
5	000-255	PAN/TILT SPEED fast→slow
6	000-255	ZOOM 60°→10°
7	000-009 010-014 015-255	SPECIAL FUNCTIONS No function Reset all No function
8	000-255	DIMMER 0%→100%
9	000-019 020-024 025-064 065-069 070-084 085-089 090-104 105-109 110-124 125-129 130-144 145-149 150-164 165-169 170-184 185-189 190-204	SHUTTER No function Open Strobe 1: fast → slow Open Strobe 2: slow open fast close, fast → slow Open Strobe 3: fast open slow close, fast → slow Open Strobe 4: random strobe, fast → slow Open Strobe 5: random slow open fast close, fast → slow Open Strobe 6: random fast open slow close, fast → slow Open Strobe 7: burst pulse, fast → slow Open Strobe 8: random burst pulse, fast → slow

	205-209 210-224 225-229 230-244 245-255	Open Strobe 9: sine wave, fast → slow Open Strobe 10: burst, fast → slow Open
10	000-255	RING 1 RED (0%→100%)
11	000-255	RING 1 GREEN (0%→100%)
12	000-255	RING 1 BLUE (0%→100%)
13	000-255	RING 1 WHITE (0%→100%)
14	000-009 010-017 018-024 025-032 033-039 040-047 048-054 055-061 062-069 070-076 077-084 085-091 092-099 100-106 107-113 114-121 122-128 129-136 137-143 144-151 152-158 159-165 166-173 174-180 181-188 189-195 196-203 204-210 211-217 218-225 226-232 233-240 241-247	RING 1 COLOR PRESET Open Color1 Color2 Color3 Color4 Color5 Color6 Color7 Color8 Color9 Color10 Color11 Color12 Color13 Color14 Color15 Color16 Color17 Color18 Color19 Color20 Color21 Color22 Color23 Color24 Color25 Color26 Color27 Color28 Color29 Color30 Color31 Color32

	248-255	Color33
15	000-255	RING 2 RED (0%→100%)
16	000-255	RING 2 GREEN (0%→100%)
17	000-255	RING 2 BLUE (0%→100%)
18	000-255	RING 2 WHITE (0%→100%)
19	000-255	RING 2 COLOR PRESET (The same as CH14: RING 1 COLOR PRESET)
20	000-255	RING 3 RED (0%→100%)
21	000-255	RING 3 GREEN (0%→100%)
22	000-255	RING 3 BLUE (0%→100%)
23	000-255	RING 3 WHITE (0%→100%)
24	000-255	RING 3 COLOR PRESET (The same as CH14: RING 1 COLOR PRESET)
25	000-007 008-022 023-037 038-052 053-067 068-082 083-097 098-112 113-127 128-142 143-157 158-172 173-187 188-202 203-217 218-232 233-247 248-255	COLOR MACRO Blackout Macro 1 Macro 2 Macro 3 Macro 4 Macro 5 Macro 6 Macro 7 Macro 8 Macro 9 Macro 10 Macro 11 Macro 12 Macro 13 Macro 14 Macro 15 Macro 16 Macro 17
26	000-255	COLOR MACRO SPEED Slow→Fast
27	000-009 010-031 032-063 064-095 096-127 128-159	RING COLOR MACRO 1 No Function Macro 1 Macro 2 Macro 3 Macro 4 Macro 5

	160-191 192-223 224-255	Macro 6 Macro 7 Macro 8
28	000-015 016-039 040-063 064-087 088-111 112-135 136-159 160-183 184-207 208-231 232-255	RING COLOR MACRO 2 No Function Macro 1 Macro 2 Macro 3 Macro 4 Macro 5 Macro 6 Macro 7 Macro 8 Macro 9 Macro 10
29	000-015 016-027 028-039 040-051 052-063 064-075 076-087 088-099 100-111 112-123 124-135 136-147 148-159 160-171 172-183 184-195 196-207 208-219 220-231 232-243 244-255	RING COLOR MACRO 3 Macro 1 Macro 2 Macro 3 Macro 4 Macro 5 Macro 6 Macro 7 Macro 8 Macro 9 Macro 10 Macro 11 Macro 12 Macro 13 Macro 14 Macro 15 Macro 16 Macro 17 Macro 18 Macro 19 Macro 20 Macro 21
30	000-127 128-255	COLOR SPEED 2 Jump: slow→fast Fade: slow→fast

5. Troubleshooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The unit does not work, no light and the fan does not work

1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

B. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

C. One of the channels is not working well

1. The stepper motor might be damaged or the cable connected to the PCB is broken.
2. The motor's drive IC on the PCB might be out of condition.

6. Fixture Cleaning

The cleaning must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

- Clean with soft cloth using normal glass cleaning fluid.
- Always dry the parts carefully.
- Clean the external optics at least every 20 days. Clean the internal optics at least every 30 days.