

## 5.2 DMX Address Setting

By using 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 the **MENU** button up to when the **DMX Address** is showing on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to change the DMX512 address. Once the address has been selected, press and keep **ENTER** button pressed up to when the display stops blinking or storing automatically 8 seconds later. To go back to the functions without any change press the **MENU** button again. If you use 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
15 channels	1	16	31	46
17 channels	1	18	35	52
41 channels	1	42	83	124

## 5.3 DMX Configuration

15 Channels (Mode 1):

CHANNEL	VALUE	FUNCTION
1	000-255	<b>Pan</b> 0° → 540°
3	000-255	<b>Tilt</b> 0° → 240°
3	000-002 003-004 005-006 007-008 009-010 011-012 013-014 015-016 017-018 019-021 022-023 024-025	<b>Color</b> Open Color 1 Color 2 Color 3 Color 4 Color 5 Color 6 Color 7 Color 8 Color 9 Color 10 Color 11

	026-027 028-029 030-031 032-033 034-035 036-037 038-039 040-042 043-044 045-046 047-048 049-050 051-052 053-054 055-056 057-058 059-060 061-063 064-127 128-189 190-193 194-255	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 Index Clockwise rotation fast to slow Stop Clockwise rotation slow to fast
4	000-004 005-008 009-012 013-016 017-020 021-024 025-028 029-032 033-036 037-040 041-044 045-048 049-052 053-056 057-060 061-064 065-068 069-072 073-076 077-080 081-084 085-088 089-092 093-096	<b>Color Macros</b> Color Macro 1 Color Macro 2 Color Macro 3 Color Macro 4 Color Macro 5 Color Macro 6 Color Macro 7 Color Macro 8 Color Macro 9 Color Macro 10 Color Macro 11 Color Macro 12 Color Macro 13 Color Macro 14 Color Macro 15 Color Macro 16 Color Macro 17 Color Macro 18 Color Macro 19 Color Macro 20 Color Macro 21 Color Macro 22 Color Macro 23 Color Macro 24

	097-100 101-104 105-108 109-112 113-116 117-120 121-124 125-128 129-132 133-136 137-140 141-144 145-148 149-152 153-156 157-160 161-164 165-168 169-172 173-176 177-180 181-184 185-188 189-192 193-196 197-200 201-204 205-208 209-212 213-216 217-220 221-224 225-228 229-232 233-236 237-240 241-244 245-248 249-252 253-255	Color Macro 25 Color Macro 26 Color Macro 27 Color Macro 28 Color Macro 29 Color Macro 30 Color Macro 31 Color Macro 32 Color Macro 33 Color Macro 34 Color Macro 35 Color Macro 36 Color Macro 37 Color Macro 38 Color Macro 39 Color Macro 40 Color Macro 41 Color Macro 42 Color Macro 43 Color Macro 44 Color Macro 45 Color Macro 46 Color Macro 47 Color Macro 48 Color Macro 49 Color Macro 50 Color Macro 51 Color Macro 52 Color Macro 53 Color Macro 54 Color Macro 55 Color Macro 56 Color Macro 57 Color Macro 58 Color Macro 59 Color Macro 60 Color Macro 61 Color Macro 62 Color Macro 63 Color Macro 64
<b>5</b>	000-255	<b>Red</b> 0% ~ 100%
<b>6</b>	000-255	<b>Green</b> 0% ~ 100%
<b>7</b>	000-255	<b>Blue</b> 0% ~ 100%

<b>8</b>	000-255	<b>White</b> 0% ~ 100%
<b>9</b>	000-031 032-063 064-095 096-127 128-159 160-191 192-223 224-255	<b>Shutter</b> Close Open Strobe from slow to fast Open Pulse effect in sequences Open Random strobe effect slow to fast Open
<b>10</b>	000-255	<b>Dimmer</b> 0% ~ 100%
<b>11</b>	000-255	<b>Dimmer Fine</b> 0% ~ 100%
<b>12</b>	000-255	<b>Zoom</b> 0% ~ 100%
<b>13</b>	000-020 021-040 041-060 061-080 081-100 101-120 121-140 141-255	<b>Dim Modes</b> Standard Stage TV Architectural Theatre Stage 2 Dim Speed from Fast to Slow (0.1-10s) Default to Unit Setting
<b>14</b>	000-255	<b>P/T Speed</b> Fast → Slow
<b>15</b>	000-010 011 012 013 014 015 016 017 018 019 020 021 022 023 024-079 080-089 090-099	<b>Function</b> Normal (Default LED Refresh Rate 1200 Hz) 900 Hz LED Refresh Rate 1000 Hz LED Refresh Rate 1100 Hz LED Refresh Rate 1300 Hz LED Refresh Rate 1400 Hz LED Refresh Rate 1500 Hz LED Refresh Rate 2500 Hz LED Refresh Rate 4000 Hz LED Refresh Rate 5000 Hz LED Refresh Rate 6000 Hz LED Refresh Rate 10000 Hz LED Refresh Rate 15000 Hz LED Refresh Rate Default to Unit Setting No function Enable blackout while Pan/Tilt moving Disable blackout while Pan/Tilt moving

	100-109	No function
	110-139	No function
	140-149	Pan/Tilt reset
	150-159	Zoom reset
	160-199	Null
	200-209	All reset
	210-239	Null
	240-255	No function

**17 Channels (Mode 2):**

CHANNEL	VALUE	FUNCTION
1	000-255	<b>Pan</b> 0° → 540°
2	000-255	<b>Pan Fine</b>
3	000-255	<b>Tilt</b> 0° → 240°
4	000-255	<b>Tilt Fine</b>
5	000-002 003-004 005-006 007-008 009-010 011-012 013-014 015-016 017-018 019-021 022-023 024-025 026-027 028-029 030-031 032-033 034-035 036-037 038-039 040-042 043-044 045-046 047-048 049-050 051-052	<b>Color</b> 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

	053-054 055-056 057-058 059-060 061-063 064-127 128-189 190-193 194-255	Color 25 Color 26 Color 27 Color 28 Color 29 Index Clockwise rotation fast to slow Stop Clockwise rotation slow to fast
6	000-004 005-008 009-012 013-016 017-020 021-024 025-028 029-032 033-036 037-040 041-044 045-048 049-052 053-056 057-060 061-064 065-068 069-072 073-076 077-080 081-084 085-088 089-092 093-096 097-100 101-104 105-108 109-112 113-116 117-120 121-124 125-128 129-132 133-136 137-140 141-144 145-148	<b>Color Macros</b> Color Macro 1 Color Macro 2 Color Macro 3 Color Macro 4 Color Macro 5 Color Macro 6 Color Macro 7 Color Macro 8 Color Macro 9 Color Macro 10 Color Macro 11 Color Macro 12 Color Macro 13 Color Macro 14 Color Macro 15 Color Macro 16 Color Macro 17 Color Macro 18 Color Macro 19 Color Macro 20 Color Macro 21 Color Macro 22 Color Macro 23 Color Macro 24 Color Macro 25 Color Macro 26 Color Macro 27 Color Macro 28 Color Macro 29 Color Macro 30 Color Macro 31 Color Macro 32 Color Macro 33 Color Macro 34 Color Macro 35 Color Macro 36 Color Macro 37

	149-152 153-156 157-160 161-164 165-168 169-172 173-176 177-180 181-184 185-188 189-192 193-196 197-200 201-204 205-208 209-212 213-216 217-220 221-224 225-228 229-232 233-236 237-240 241-244 245-248 249-252 253-255	Color Macro 38 Color Macro 39 Color Macro 40 Color Macro 41 Color Macro 42 Color Macro 43 Color Macro 44 Color Macro 45 Color Macro 46 Color Macro 47 Color Macro 48 Color Macro 49 Color Macro 50 Color Macro 51 Color Macro 52 Color Macro 53 Color Macro 54 Color Macro 55 Color Macro 56 Color Macro 57 Color Macro 58 Color Macro 59 Color Macro 60 Color Macro 61 Color Macro 62 Color Macro 63 Color Macro 64
<b>7</b>	000-255	<b>Red</b> 0% ~ 100%
<b>8</b>	000-255	<b>Green</b> 0% ~ 100%
<b>9</b>	000-255	<b>Blue</b> 0% ~ 100%
<b>10</b>	000-255	<b>White</b> 0% ~ 100%
<b>11</b>	000-031 032-063 064-095 096-127 128-159 160-191 192-223 224-255	<b>Shutter</b> Close Open Strobe from slow to fast Open Pulse effect in sequences Open Random strobe effect slow to fast Open
<b>12</b>	000-255	<b>Dimmer</b> 0% ~ 100%

<b>13</b>	000-255	<b>Dimmer Fine</b> 0% ~ 100%
<b>14</b>	000-255	<b>Zoom</b> 0% ~ 100%
<b>15</b>	000-020 021-040 041-060 061-080 081-100 101-120 121-140 141-255	<b>Dim Modes</b> Standard Stage TV Architectural Theatre Stage 2 Dim Speed from Fast to Slow (0.1-10s) Default to Unit Setting
<b>16</b>	000-255	<b>P/T Speed</b> Fast → Slow
<b>17</b>	000-010 011 012 013 014 015 016 017 018 019 020 021 022 023 024-079 080-089 090-099 100-109 110-139 140-149 150-159 160-199 200-209 210-239 240-255	<b>Function</b> Normal (Default LED Refresh Rate 1200 Hz) 900 Hz LED Refresh Rate 1000 Hz LED Refresh Rate 1100 Hz LED Refresh Rate 1300 Hz LED Refresh Rate 1400 Hz LED Refresh Rate 1500 Hz LED Refresh Rate 2500 Hz LED Refresh Rate 4000 Hz LED Refresh Rate 5000 Hz LED Refresh Rate 6000 Hz LED Refresh Rate 10000 Hz LED Refresh Rate 15000 Hz LED Refresh Rate Default to Unit Setting No function Enable blackout while Pan/Tilt moving Disable blackout while Pan/Tilt moving No function No function Pan/Tilt reset Zoom reset Null All reset Null No function



41 Channels (Mode 3):

CHANNEL	VALUE	FUNCTION
1	000-255	<b>Pan</b> 0 ° → 540°
2	000-255	<b>Pan Fine</b>
3	000-255	<b>Tilt</b> 0 ° → 240°
4	000-255	<b>Tilt Fine</b>
5	000-002	<b>Color</b> Open
	003-004	Color 1
	005-006	Color 2
	007-008	Color 3
	009-010	Color 4
	011-012	Color 5
	013-014	Color 6
	015-016	Color 7
	017-018	Color 8
	019-021	Color 9
	022-023	Color 10
	024-025	Color 11
	026-027	Color 12
	028-029	Color 13
	030-031	Color 14
	032-033	Color 15
	034-035	Color 16
	036-037	Color 17
	038-039	Color 18
	040-042	Color 19
043-044	Color 20	
045-046	Color 21	
047-048	Color 22	
049-050	Color 23	
051-052	Color 24	
053-054	Color 25	
055-056	Color 26	
057-058	Color 27	
059-060	Color 28	
061-063	Color 29	
064-127	Index	
128-189	Clockwise rotation fast to slow	
190-193	Stop	
194-255	Clockwise rotation slow to fast	
6		<b>Color Macros</b>

000-004	Color Macro 1
005-008	Color Macro 2
009-012	Color Macro 3
013-016	Color Macro 4
017-020	Color Macro 5
021-024	Color Macro 6
025-028	Color Macro 7
029-032	Color Macro 8
033-036	Color Macro 9
037-040	Color Macro 10
041-044	Color Macro 11
045-048	Color Macro 12
049-052	Color Macro 13
053-056	Color Macro 14
057-060	Color Macro 15
061-064	Color Macro 16
065-068	Color Macro 17
069-072	Color Macro 18
073-076	Color Macro 19
077-080	Color Macro 20
081-084	Color Macro 21
085-088	Color Macro 22
089-092	Color Macro 23
093-096	Color Macro 24
097-100	Color Macro 25
101-104	Color Macro 26
105-108	Color Macro 27
109-112	Color Macro 28
113-116	Color Macro 29
117-120	Color Macro 30
121-124	Color Macro 31
125-128	Color Macro 32
129-132	Color Macro 33
133-136	Color Macro 34
137-140	Color Macro 35
141-144	Color Macro 36
145-148	Color Macro 37
149-152	Color Macro 38
153-156	Color Macro 39
157-160	Color Macro 40
161-164	Color Macro 41
165-168	Color Macro 42
169-172	Color Macro 43
173-176	Color Macro 44
177-180	Color Macro 45
181-184	Color Macro 46
185-188	Color Macro 47

	189-192 193-196 197-200 201-204 205-208 209-212 213-216 217-220 221-224 225-228 229-232 233-236 237-240 241-244 245-248 249-252 253-255	Color Macro 48 Color Macro 49 Color Macro 50 Color Macro 51 Color Macro 52 Color Macro 53 Color Macro 54 Color Macro 55 Color Macro 56 Color Macro 57 Color Macro 58 Color Macro 59 Color Macro 60 Color Macro 61 Color Macro 62 Color Macro 63 Color Macro 64
<b>7</b>	000-255	<b>Red 1</b> 0% ~ 100%
<b>8</b>	000-255	<b>Green 1</b> 0% ~ 100%
<b>9</b>	000-255	<b>Blue 1</b> 0% ~ 100%
<b>10</b>	000-255	<b>White 1</b> 0% ~ 100%
<b>11</b>	000-255	<b>Red 2</b> 0% ~ 100%
<b>12</b>	000-255	<b>Green 2</b> 0% ~ 100%
<b>13</b>	000-255	<b>Blue 2</b> 0% ~ 100%
<b>14</b>	000-255	<b>White 2</b> 0% ~ 100%
<b>15</b>	000-255	<b>Red 3</b> 0% ~ 100%
<b>16</b>	000-255	<b>Green 3</b> 0% ~ 100%
<b>17</b>	000-255	<b>Blue 3</b> 0% ~ 100%
<b>18</b>	000-255	<b>White 3</b> 0% ~ 100%
<b>19</b>	000-255	<b>Red 4</b> 0% ~ 100%
<b>20</b>	000-255	<b>Green 4</b> 0% ~ 100%

21	000-255	<b>Blue 4</b> 0% ~ 100%
22	000-255	<b>White 4</b> 0% ~ 100%
23	000-255	<b>Red 5</b> 0% ~ 100%
24	000-255	<b>Green 5</b> 0% ~ 100%
25	000-255	<b>Blue 5</b> 0% ~ 100%
26	000-255	<b>White 5</b> 0% ~ 100%
27	000-255	<b>Red 6</b> 0% ~ 100%
28	000-255	<b>Green 6</b> 0% ~ 100%
29	000-255	<b>Blue 6</b> 0% ~ 100%
30	000-255	<b>White 6</b> 0% ~ 100%
31	000-255	<b>Red 7</b> 0% ~ 100%
32	000-255	<b>Green 7</b> 0% ~ 100%
33	000-255	<b>Blue 7</b> 0% ~ 100%
34	000-255	<b>White 7</b> 0% ~ 100%
35	000-031 032-063 064-095 096-127 128-159 160-191 192-223 224-255	<b>Shutter</b> Close Open Strobe from slow to fast Open Pulse effect in sequences Open Random strobe effect slow to fast Open
36	000-255	<b>Dimmer</b> 0% ~ 100%
37	000-255	<b>Dimmer Fine</b> 0% ~ 100%
38	000-255	<b>Zoom</b> 0% ~ 100%
39		<b>Dim Modes</b>

	000-020 021-040 041-060 061-080 081-100 101-120 121-140 141-255	Standard Stage TV Architectural Theatre Stage 2 Dim Speed from Fast to Slow (0.1-10s) Default to Unit Setting
<b>40</b>	000-255	<b>P/T Speed</b> Fast → Slow
<b>41</b>	000-010 011 012 013 014 015 016 017 018 019 020 021 022 023 024-079 080-089 090-099 100-109 110-139 140-149 150-159 160-199 200-209 210-239 240-255	<b>Function</b> Normal (Default LED Refresh Rate 1200 Hz) 900 Hz LED Refresh Rate 1000 Hz LED Refresh Rate 1100 Hz LED Refresh Rate 1300 Hz LED Refresh Rate 1400 Hz LED Refresh Rate 1500 Hz LED Refresh Rate 2500 Hz LED Refresh Rate 4000 Hz LED Refresh Rate 5000 Hz LED Refresh Rate 6000 Hz LED Refresh Rate 10000 Hz LED Refresh Rate 15000 Hz LED Refresh Rate Default to Unit Setting No function Enable blackout while Pan/Tilt moving Disable blackout while Pan/Tilt moving No function No function Pan/Tilt reset Zoom reset Null All reset Null No function