ORION 1650 M IP DMX CHART

00 DMX Channel Modes

This chart lists the DMX512 channel modes of the SSP Orion 1650 M IP moving head. Select one mode on the fixture and assign the channels in the order shown in the matching table. DMX values are inclusive ranges from 0 to 255.

Setting	Range / options	Display menu
DMX address	1–512	DMX Address Setting

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Channel	DMX value	Description
1 Pan	0–255	Pan
2 Pan Fine	0–255	Pan fine
3 Tilt	0–255	Tilt
4 Tilt Fine	0–255	Tilt fine
5 P/T Speed	0–255	P/T speed, fast and slow
6 Background Red	0–255	Background red (0–100%)
7 Background Red Fine	0–255	Background red fine (0–100%)
8 Background Green	0–255	Background green (0–100%)
9 Background Green Fine	0–255	Background green fine (0–100%)
10 Background Blue	0–255	Background blue (0–100%)
11 Background Blue Fine	0–255	Background blue fine (0–100%)
12 Background White	0–255	Background white (0–100%)
13 Background White Fine	0–255	Background white fine (0–100%)
14 Flash	0–31	Turn off the light
	32–63	Open the light
	64–95	Flash from slow to fast
	96–127	Open the light
	128–159	Pulse flicker increases in speed
	160–191	Open the light
	192–223	Random flash
	224–255	Open the light
15 Dimmer	0–255	Dimming 0–100%
16 Dimming Fine	0–255	Dimming fine 0–100%
17 CTO	0–21	No function
	22–42	No function
	43–63	7500K
	64–84	7500K
	85–105	6500K
	106–126	6500K
	127–147	5500K
	148–168	5500K
	169–189	4500K
	190–210	4500K
	211–231	3500K
	232–255	3500K

Channel	DMX value	Description
18 Color Presets	0–255	Color presets
19 Color Presets / RGBW Cross Fade	0	Output is controlled by RGBW values
	1–254	Crossfade in/out between RGBW settings and color preset channels
	255	Colors are controlled by color presets
20 Color Preset Cross Fade	0–4	No function
	5–255	Two-color preset cross-gradient ranging from 100 milliseconds to 5 seconds
21 Zoom	0–255	Zoom
22 Zoom Fine	0–255	Zoom fine
23 Reserved	0–255	Reserved
24 Reset / Internal Function	0–4	No function
	5–9	Power off the screen
	10–14	Open the screen
	15–19	Display reverse off
	20–24	Display reverse open
	45–49	Linear dimming curve
	50–54	Dimming curve square
	55–57	1K
	58–60	2.5K
	61–63	6K
	64–69	10K
	80–84	All motors reset
	85–87	P/T motor reset
	88–90	Amplifying motor reset
	25–44	Reset / Internal Function
	70–79	Reset / Internal Function
	91–255	Reset / Internal Function

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Channel	DMX value	Description
1 Pan	0–255	Pan
2 Pan Fine	0–255	Pan fine
3 Tilt	0–255	Tilt
4 Tilt Fine	0–255	Tilt fine
5 P/T Speed	0–255	P/T speed, fast and slow
6 Background Red	0–255	Background red (0–100%)
7 Background Red Fine	0–255	Background red fine (0–100%)
8 Background Green	0–255	Background green (0–100%)
9 Background Green Fine	0–255	Background green fine (0–100%)
10 Background Blue	0–255	Background blue (0–100%)
11 Background Blue Fine	0–255	Background blue fine (0–100%)
12 Background White	0–255	Background white (0–100%)
13 Background White Fine	0–255	Background white fine (0–100%)
14 Flash	0–31	Turn off the light
	32–63	Open the light
	64–95	Flash from slow to fast
	96–127	Open the light
	128–159	Pulse flicker increases in speed
	160–191	Open the light
	192–223	Random flash
	224–255	Open the light
15 Dimmer	0–255	Dimming 0–100%
16 Dimming Fine	0–255	Dimming fine 0–100%
17 CTO	0–21	No function
	22–42	No function
	43–63	7500K
	64–84	7500K
	85–105	6500K
	106–126	6500K
	127–147	5500K
	148–168	5500K
	169–189	4500K
	190–210	4500K
	211–231	3500K
	232–255	3500K

Channel	DMX value	Description
18 Color Presets	0–255	Color presets
19 Color Presets / RGBW Cross Fade	0	Output is controlled by RGBW values
	1–254	Crossfade in/out between RGBW settings and color preset channels
	255	Colors are controlled by color presets
20 Color Preset Cross Fade	0–4	No function
	5–255	Two-color preset cross-gradient ranging from 100 milliseconds to 5 seconds
21 Zoom	0–255	Zoom
22 Zoom Fine	0–255	Zoom fine
23 Reserved	0–255	Reserved
24 Reset / Internal Function	0–4	No function
	5–9	Power off the screen
	10–14	Open the screen
	15–19	Display reverse off
	20–24	Display reverse open
	45–49	Linear dimming curve
	50–54	Dimming curve square
	55–57	1K
	58–60	2.5K
	61–63	6K
	64–69	10K
	80–84	All motors reset
	85–87	P/T motor reset
	88–90	Amplifying motor reset
	25–44	Reset / Internal Function
	70–79	Reset / Internal Function
	91–255	Reset / Internal Function
25 Main Light Effect	0–9	No function
	10–14	Effect 1
	15–19	Effect 2
	20–24	Effect 3
	25–29	Effect 4
	30–34	Effect 5
	35–39	Effect 6
	40–44	Effect 7
	45–49	Effect 8
	50–54	Effect 9
	55–59	Effect 10

Channel	DMX value	Description
	60–64	Effect 11
	65–69	Effect 12
	70–74	Effect 13
	75–79	Effect 14
	80–84	Effect 15
	85–89	Effect 16
	90–94	Effect 17
	95–99	Effect 18
	100–104	Effect 19
	105–109	Effect 20
	110–255	Reserve
26 Main Light Effect Speed	0–125	Main effect speed forward, from fast to slow
	126–130	Stop
	131–255	Main effect speed reverse, from slow to fast
27 Main Effect Fade	0–255	Main effect fade function (0–100%)
28 Main Effect Length	0–255	Main effect length function
29 Main Effect Red	0–255	Main effect red (0–100%)
30 Main Effect Green	0–255	Main effect green (0–100%)
31 Main Effect Blue	0–255	Main effect blue (0–100%)
32 Main Effect White	0–255	Main effect white (0–100%)
33 Main Effect Dimmer	0–255	Main effect dimmer (0–100%)
34 Main Light Background Dimmer	0–255	Main light background dimmer (0–100%)
35 Main Effect Flash	0–31	Turn off
	32–63	Light on
	64–95	Flash speed from slow to fast
	96–127	Light on
	128–159	Pulse flash from slow to fast
	160–191	Light on
	192–223	Random flash
	224–255	Light on
36 Main Light Control	0–255	Crossfade between RGBW settings and single color channels
37 Main Red Ring 1	0–255	Main red ring 1 (0–100%)
38 Main Green Ring 1	0–255	Main green ring 1 (0–100%)
39 Main Blue Ring 1	0–255	Main blue ring 1 (0–100%)
40 Main White Ring 1	0–255	Main white ring 1 (0–100%)
41 Main Red Ring 2	0–255	Main red ring 2 (0–100%)
42 Main Green Ring 2	0–255	Main green ring 2 (0–100%)

Channel	DMX value	Description
43 **Main Blue Ring 2**	**0–255**	Main blue ring 2 (0–100%)
44 **Main White Ring 2**	**0–255**	Main white ring 2 (0–100%)

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Channel	DMX value	Description
1 Pan	0–255	Pan
2 Pan Fine	0–255	Pan fine
3 Tilt	0–255	Tilt
4 Tilt Fine	0–255	Tilt fine
5 P/T Speed	0–255	P/T speed, fast and slow
6 Background Red	0–255	Background red (0–100%)
7 Background Red Fine	0–255	Background red fine (0–100%)
8 Background Green	0–255	Background green (0–100%)
9 Background Green Fine	0–255	Background green fine (0–100%)
10 Background Blue	0–255	Background blue (0–100%)
11 Background Blue Fine	0–255	Background blue fine (0–100%)
12 Background White	0–255	Background white (0–100%)
13 Background White Fine	0–255	Background white fine (0–100%)
14 Flash	0–31	Turn off the light
	32–63	Open the light
	64–95	Flash from slow to fast
	96–127	Open the light
	128–159	Pulse flicker increases in speed
	160–191	Open the light
	192–223	Random flash
	224–255	Open the light
15 Dimmer	0–255	Dimming 0–100%
16 Dimming Fine	0–255	Dimming fine 0–100%
17 CTO	0–21	No function
	22–42	No function
	43–63	7500K
	64–84	7500K
	85–105	6500K
	106–126	6500K
	127–147	5500K
	148–168	5500K
	169–189	4500K
	190–210	4500K
	211–231	3500K
	232–255	3500K

Channel	DMX value	Description
18 Color Presets	0–255	Color presets
19 Color Presets / RGBW Cross Fade	0–125	Output is controlled by RGBW values
	126–130	Crossfade in/out between RGBW settings and color preset channels
	131–255	Colors are controlled by color presets
20 Color Preset Cross Fade	0–4	No function
	5–255	Two-color preset cross-gradient ranging from 100 milliseconds to 5 seconds
21 Zoom	0–255	Zoom
22 Zoom Fine	0–255	Zoom fine
23 Reserved	0–255	Reserved
24 Reset / Internal Function	0–4	No function
	5–9	Power off the screen
	10–14	Open the screen
	15–19	Display reverse off
	20–24	Display reverse open
	45–49	Linear dimming curve
	50–54	Dimming curve square
	55–57	1K
	58–60	2.5K
	61–63	6K
	64–69	10K
	80–84	All motors reset
	85–87	P/T motor reset
	88–90	Amplifying motor reset
	25–44	Reset / Internal Function
	70–79	Reset / Internal Function
	91–255	Reset / Internal Function
25 Main Light Effect	0–9	No function
	10–14	Effect 1
	15–19	Effect 2
	20–24	Effect 3
	25–29	Effect 4
	30–34	Effect 5
	35–39	Effect 6
	40–44	Effect 7
	45–49	Effect 8
	50–54	Effect 9
	55–59	Effect 10

Channel	DMX value	Description
	60–64	Effect 11
	65–69	Effect 12
	70–74	Effect 13
	75–79	Effect 14
	80–84	Effect 15
	85–89	Effect 16
	90–94	Effect 17
	95–99	Effect 18
	100–104	Effect 19
	105–109	Effect 20
	110–255	Reserve
26 Main Light Effect Speed	0–125	Main effect speed forward, from fast to slow
	126–130	Stop
	131–255	Main effect speed reverse, from slow to fast
27 Main Effect Fade	0–255	Main effect fade function (0–100%)
28 Main Effect Length	0–255	Main effect length function
29 Main Effect Red	0–255	Main effect red (0–100%)
30 Main Effect Green	0–255	Main effect green (0–100%)
31 Main Effect Blue	0–255	Main effect blue (0–100%)
32 Main Effect White	0–255	Main effect white (0–100%)
33 Main Effect Dimmer	0–255	Main effect dimmer (0–100%)
34 Main Light Background Dimmer	0–255	Main light background dimmer (0–100%)
35 Main Effect Flash	0–31	Turn off
	32–63	Light on
	64–95	Flash speed from slow to fast
	96–127	Light on
	128–159	Pulse flash from slow to fast
	160–191	Light on
	192–223	Random flash
	224–255	Light on
36 Halo Ring Control	0–255	No function
37 Halo Ring Dimmer	0–255	Halo ring dimmer (0–100%)
38 Halo Ring Dimming Fine	0–255	Halo ring dimming fine tune (0–100%)
39 Halo Ring Effect Red	0–255	Halo ring effect red (0–100%)
40 Halo Ring Effect Green	0–255	Halo ring effect green (0–100%)
41 Halo Ring Effect Blue	0–255	Halo ring effect blue (0–100%)
42 Halo Ring Effect	0–9	No function

Channel	DMX value	Description
	10–205	Effect 1–97 (one effect every 2 numbers)
	206–255	Effect 98
43 Reserve	0–255	No function
44 Halo Ring Effect Speed	0–130	Halo ring effect speed forward, from fast to slow
	131–255	Halo ring effect speed reverse, from slow to fast
45 Halo Ring Effect Background Dimmer	0–255	Halo ring effect background dimmer (0–100%)
46 Halo Ring Effect Background Red	0–255	Halo ring effect background red (0–100%)
47 Halo Ring Effect Background Green	0–255	Halo ring effect background green (0–100%)
48 Halo Ring Effect Background Blue	0–255	Halo ring effect background blue (0–100%)

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Channel		DMX value	Description
1	Pan	0–255	Pan
2	Pan Fine	0–255	Pan fine
3	Tilt	0–255	Tilt
4	Tilt Fine	0–255	Tilt fine
5	Pan/Tilt Speed	0–255	Pan/Tilt speed decreases from fast to slow
6	Zoom	0–255	Zoom
7	Dimmer	0–255	Dimmer (0–100%)
8	Strobe	0–31	Lights off
		32–63	Lights on
		64–95	Strobe speed increases from slow to fast
		96–127	Lights on
		128–159	Pulse strobe increases from slow to fast
		160–191	Lights on
		192–223	Random strobe
		224–255	Lights on
9	Main Red Ring 1	0–255	Main light red ring 1 (0–100%) / Main light effect red (0–100%)
10	Main Green Ring 1	0–255	Main light green ring 1 (0–100%) / Main light effect green (0–100%)
11	Main Blue Ring 1	0–255	Main light blue ring 1 (0–100%) / Main light effect blue (0–100%)
12	Main White Ring 1	0–255	Key light white ring 1 (0–100%) / Key light effect white (0–100%)
13	Main Red Ring 2	0–255	Main light red ring 2 (0–100%)
14	Main Green Ring 2	0–255	Main light green ring 2 (0–100%)
15	Main Blue Ring 2	0–255	Main light blue ring 2 (0–100%)
16	Main White Ring 2	0–255	Main light white ring 2 (0–100%)
17	Main Red Ring 3	0–255	Main light red ring 3 (0–100%)
18	Main Green Ring 3	0–255	Main light green ring 3 (0–100%)
19	Main Blue Ring 3	0–255	Main light blue ring 3 (0–100%)
20	Main White Ring 3	0–255	Main light white ring 3 (0–100%)
21	Main Red Ring 4	0–255	Main light red ring 4 (0–100%)
22	Main Green Ring 4	0–255	Main light green ring 4 (0–100%)
23	Main Blue Ring 4	0–255	Main light blue ring 4 (0–100%)
24	Main White Ring 4	0–255	Main light white ring 4 (0–100%)
25	Main Red Ring 5	0–255	Main light red ring 5 (0–100%)
26	Main Green Ring 5	0–255	Main light green ring 5 (0–100%)
27	Main Blue Ring 5	0–255	Main light blue ring 5 (0–100%)
28	Main White Ring 5	0–255	Main light white ring 5 (0–100%)

Channel	DMX value	Description
29 Main Red Ring 6	0–255	Main light red ring 6 (0–100%)
30 Main Green Ring 6	0–255	Main light green ring 6 (0–100%)
31 Main Blue Ring 6	0–255	Main light blue ring 6 (0–100%)
32 Main White Ring 6	0–255	Main light white ring 6 (0–100%)
33 Main Red Ring 7	0–255	Main light red ring 7 (0–100%)
34 Main Green Ring 7	0–255	Main light green ring 7 (0–100%)
35 Main Blue Ring 7	0–255	Main light blue ring 7 (0–100%)
36 Main White Ring 7	0–255	Main light white ring 7 (0–100%)
37 Main Red Ring 8	0–255	Main light red ring 8 (0–100%)
38 Main Green Ring 8	0–255	Main light green ring 8 (0–100%)
39 Main Blue Ring 8	0–255	Main light blue ring 8 (0–100%)
40 Main White Ring 8	0–255	Main light white ring 8 (0–100%)
41 Main Red Ring 9	0–255	Main light red ring 9 (0–100%)
42 Main Green Ring 9	0–255	Main light green ring 9 (0–100%)
43 Main Blue Ring 9	0–255	Main light blue ring 9 (0–100%)
44 Main White Ring 9	0–255	Main light white ring 9 (0–100%)
45 Main Red Ring 10	0–255	Main light red ring 10 (0–100%)
46 Main Green Ring 10	0–255	Main light green ring 10 (0–100%)
47 Main Blue Ring 10	0–255	Main light blue ring 10 (0–100%)
48 Main White Ring 10	0–255	Main light white ring 10 (0–100%)
49 Main Red Ring 11	0–255	Main light red ring 11 (0–100%)
50 Main Green Ring 11	0–255	Main light green ring 11 (0–100%)
51 Main Blue Ring 11	0–255	Main light blue ring 11 (0–100%)
52 Main White Ring 11	0–255	Main light white ring 11 (0–100%)
53 Main Red Ring 12	0–255	Main light red ring 12 (0–100%)
54 Main Green Ring 12	0–255	Main light green ring 12 (0–100%)
55 Main Blue Ring 12	0–255	Main light blue ring 12 (0–100%)
56 Main White Ring 12	0–255	Main light white ring 12 (0–100%)
57 Main Red Ring 13	0–255	Main light red ring 13 (0–100%)
58 Main Green Ring 13	0–255	Main light green ring 13 (0–100%)
59 Main Blue Ring 13	0–255	Main light blue ring 13 (0–100%)
60 Main White Ring 13	0–255	Main light white ring 13 (0–100%)
61 Main Red Ring 14	0–255	Main light red ring 14 (0–100%)
62 Main Green Ring 14	0–255	Main light green ring 14 (0–100%)
63 Main Blue Ring 14	0–255	Main light blue ring 14 (0–100%)
64 Main White Ring 14	0–255	Main light white ring 14 (0–100%)
65 Main Red Ring 15	0–255	Main light red ring 15 (0–100%)

Channel	DMX value	Description
66 Main Green Ring 15	0–255	Main light green ring 15 (0–100%)
67 Main Blue Ring 15	0–255	Main light blue ring 15 (0–100%)
68 Main White Ring 15	0–255	Main light white ring 15 (0–100%)
69 Main Red Ring 16	0–255	Main light red ring 16 (0–100%)
70 Main Green Ring 16	0–255	Main light green ring 16 (0–100%)
71 Main Blue Ring 16	0–255	Main light blue ring 16 (0–100%)
72 Main White Ring 16	0–255	Main light white ring 16 (0–100%)
73 CTO	0–21	No function
	22–42	8000K
	43–63	7500K
	64–84	7000K
	85–105	6500K
	106–126	6000K
	127–147	5500K
	148–168	5000K
	169–189	4500K
	190–210	4000K
	211–231	3500K
	232–255	2700K
74 Main Effect	0–9	No function
	10–14	Effect 1
	15–19	Effect 2
	20–24	Effect 3
	25–29	Effect 4
	30–34	Effect 5
	35–39	Effect 6
	40–44	Effect 7
	45–49	Effect 8
	50–54	Effect 9
	55–59	Effect 10
	60–64	Effect 11
	65–69	Effect 12
	70–74	Effect 13
	75–79	Effect 14
	80–84	Effect 15
	85–89	Effect 16
	90–94	Effect 17

Channel	DMX value	Description
	95–99	Effect 18
	100–104	Effect 19
	105–109	Effect 20
	110–255	Effect speed
75 Main Effect Speed	0–125	Main effect speed from fast to slow
	126–130	Stop
	131–255	Main effect speed from slow to fast
76 Halo LED Dimmer	0–255	Halo dimmer 0–100%
77 Halo Zone 1 Red	0–255	Halo zone 1 red (0–100%) / Halo ring effect red (0–100%)
78 Halo Zone 1 Green	0–255	Halo zone 1 green (0–100%) / Halo ring effect green (0–100%)
79 Halo Zone 1 Blue	0–255	Halo zone 1 blue (0–100%) / Halo ring effect blue (0–100%)
80 Halo Zone 2 Red	0–255	Halo zone 2 red (0–100%)
81 Halo Zone 2 Green	0–255	Halo zone 2 green (0–100%)
82 Halo Zone 2 Blue	0–255	Halo zone 2 blue (0–100%)
83 Halo Zone 3 Red	0–255	Halo zone 3 red (0–100%)
84 Halo Zone 3 Green	0–255	Halo zone 3 green (0–100%)
85 Halo Zone 3 Blue	0–255	Halo zone 3 blue (0–100%)
86 Halo Zone 4 Red	0–255	Halo zone 4 red (0–100%)
87 Halo Zone 4 Green	0–255	Halo zone 4 green (0–100%)
88 Halo Zone 4 Blue	0–255	Halo zone 4 blue (0–100%)
89 Halo Effect	0–9	No function
	10–205	Effects 1–97 (one effect for every two numbers)
	206–255	Halo effect 98
90 Halo Effect Speed	0–130	Halo effect speed changes from fast to slow in forward rotation
	131–255	Halo effect speed changes from slow to fast in reverse rotation
91 Reset / Special Functions	0–4	No function
	5–9	Blackout
	10–14	Display on
	15–19	Display invert off
	20–24	Display invert on
	45–49	Dimming curve linear
	50–54	Dimming curve square
	55–57	1K
	58–60	2.5K
	61–63	6K
	64–69	10K
	80–84	All motors reset

Channel	DMX value	Description
	85–87	Pan/Tilt reset
	88–90	Zoom reset
	25–44	Reset / Special Functions
	70–79	Reset / Special Functions
	91–255	Reset / Special Functions

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Channel	DMX value	Description
1 Pan	0–255	Pan
2 Pan Fine	0–255	Pan fine
3 Tilt	0–255	Tilt
4 Tilt Fine	0–255	Tilt fine
5 P/T Speed	0–255	P/T speed, fast and slow
6 Background Red	0–255	Background red (0–100%)
7 Background Red Fine	0–255	Background red fine (0–100%)
8 Background Green	0–255	Background green (0–100%)
9 Background Green Fine	0–255	Background green fine (0–100%)
10 Background Blue	0–255	Background blue (0–100%)
11 Background Blue Fine	0–255	Background blue fine (0–100%)
12 Background White	0–255	Background white (0–100%)
13 Background White Fine	0–255	Background white fine (0–100%)
14 Flash	0–31	Turn off the light
	32–63	Open the light
	64–95	Flash from slow to fast
	96–127	Open the light
	128–159	Pulse flicker increases in speed
	160–191	Open the light
	192–223	Random flash
	224–255	Open the light
15 Dimmer	0–255	Dimming 0–100%
16 Dimming Fine	0–255	Dimming fine 0–100%
17 CTO	0–21	No function
	22–42	No function
	43–63	7500K
	64–84	7500K
	85–105	6500K
	106–126	6500K
	127–147	5500K
	148–168	5500K
	169–189	4500K
	190–210	4500K
	211–231	3500K
	232–255	3500K

Channel	DMX value	Description
18 Color Presets	0–255	Color presets
19 Color Presets / RGBW Cross Fade	0–125	Output is controlled by RGBW values
	126–130	Crossfade in/out between RGBW settings and color preset channels
	131–255	Colors are controlled by color presets
20 Color Preset Cross Fade	0–4	No function
	5–255	Two-color preset cross-gradient ranging from 100 milliseconds to 5 seconds
21 Zoom	0–255	Zoom
22 Zoom Fine	0–255	Zoom fine
23 Reserved	0–255	Reserved
24 Reset / Internal Function	0–4	No function
	5–9	Power off the screen
	10–14	Open the screen
	15–19	Display reverse off
	20–24	Display reverse open
	45–49	Linear dimming curve
	50–54	Dimming curve square
	55–57	1K
	58–60	2.5K
	61–63	6K
	64–69	10K
	80–84	All motors reset
	85–87	P/T motor reset
	88–90	Amplifying motor reset
	25–44	Reset / Internal Function
	70–79	Reset / Internal Function
	91–255	Reset / Internal Function
25 Main Light Effect	0–9	No function
	10–14	Effect 1
	15–19	Effect 2
	20–24	Effect 3
	25–29	Effect 4
	30–34	Effect 5
	35–39	Effect 6
	40–44	Effect 7
	45–49	Effect 8
	50–54	Effect 9
	55–59	Effect 10

Channel	DMX value	Description
	60–64	Effect 11
	65–69	Effect 12
	70–74	Effect 13
	75–79	Effect 14
	80–84	Effect 15
	85–89	Effect 16
	90–94	Effect 17
	95–99	Effect 18
	100–104	Effect 19
	105–109	Effect 20
	110–255	Reserve
26 Main Light Effect Speed	0–125	Main effect speed forward, from fast to slow
	126–130	Stop
	131–255	Main effect speed reverse, from slow to fast
27 Main Effect Fade	0–255	Main effect fade function (0–100%)
28 Main Effect Length	0–255	Main effect length function
29 Main Effect Red	0–255	Main effect red (0–100%)
30 Main Effect Green	0–255	Main effect green (0–100%)
31 Main Effect Blue	0–255	Main effect blue (0–100%)
32 Main Effect White	0–255	Main effect white (0–100%)
33 Main Effect Dimmer	0–255	Main effect dimmer (0–100%)
34 Main Light Background Dimmer	0–255	Main light background dimmer (0–100%)
35 Main Effect Flash	0–31	Turn off
	32–63	Light on
	64–95	Flash speed from slow to fast
	96–127	Light on
	128–159	Pulse flash from slow to fast
	160–191	Light on
	192–223	Random flash
	224–255	Light on
36 Halo Ring Control	0–255	No function
37 Halo Ring Dimmer	0–255	Halo ring dimmer (0–100%)
38 Halo Ring Dimming Fine	0–255	Halo ring dimming fine tune (0–100%)
39 Halo Ring Effect Red	0–255	Halo ring effect red (0–100%)
40 Halo Ring Effect Green	0–255	Halo ring effect green (0–100%)
41 Halo Ring Effect Blue	0–255	Halo ring effect blue (0–100%)
42 Halo Ring Effect	0–9	No function

Channel	DMX value	Description
	10–205	Effect 1–97 (one effect every 2 numbers)
	206–255	Effect 98
43 Reserve	0–255	No function
44 Halo Ring Effect Speed	0–130	Halo ring effect speed forward, from fast to slow
	131–255	Halo ring effect speed reverse, from slow to fast
45 Halo Ring Effect Background Dimmer	0–255	Halo ring effect background dimmer (0–100%)
46 Halo Ring Effect Background Red	0–255	Halo ring effect background red (0–100%)
47 Halo Ring Effect Background Green	0–255	Halo ring effect background green (0–100%)
48 Halo Ring Effect Background Blue	0–255	Halo ring effect background blue (0–100%)
49 Main Light Control	0–255	Crossfade between RGBW settings and single color channels
50 Main Red Ring 1	0–255	Main red ring 1 (0–100%)
51 Main Green Ring 1	0–255	Main green ring 1 (0–100%)
52 Main Blue Ring 1	0–255	Main blue ring 1 (0–100%)
53 Main White Ring 1	0–255	Main white ring 1 (0–100%)
54 Main Red Ring 2	0–255	Main red ring 2 (0–100%)
55 Main Green Ring 2	0–255	Main green ring 2 (0–100%)
56 Main Blue Ring 2	0–255	Main blue ring 2 (0–100%)
57 Main White Ring 2	0–255	Main white ring 2 (0–100%)
58 Main Red Ring 3	0–255	Main red ring 3 (0–100%)
59 Main Green Ring 3	0–255	Main green ring 3 (0–100%)
60 Main Blue Ring 3	0–255	Main blue ring 3 (0–100%)
61 Main White Ring 3	0–255	Main white ring 3 (0–100%)
62 Main Red Ring 4	0–255	Main red ring 4 (0–100%)
63 Main Green Ring 4	0–255	Main green ring 4 (0–100%)
64 Main Blue Ring 4	0–255	Main blue ring 4 (0–100%)
65 Main White Ring 4	0–255	Main white ring 4 (0–100%)
66 —	–	Not in source
67 Main Red Ring 5	0–255	Main red ring 5 (0–100%)
68 Main Green Ring 5	0–255	Main green ring 5 (0–100%)
69 Main Blue Ring 5	0–255	Main blue ring 5 (0–100%)
70 Main White Ring 5	0–255	Main white ring 5 (0–100%)
71 Main Red Ring 6	0–255	Main red ring 6 (0–100%)
72 Main Green Ring 6	0–255	Main green ring 6 (0–100%)
73 Main Blue Ring 6	0–255	Main blue ring 6 (0–100%)
74 Main White Ring 6	0–255	Main white ring 6 (0–100%)

Channel	DMX value	Description
75 Main Red Ring 7	0–255	Main red ring 7 (0–100%)
76 Main Green Ring 7	0–255	Main green ring 7 (0–100%)
77 Main Blue Ring 7	0–255	Main blue ring 7 (0–100%)
78 Main White Ring 7	0–255	Main white ring 7 (0–100%)
79–105 —	—	Rings 8–14 (channels 79–105) not given in source
106 Main Red Ring 15	0–255	Main red ring 15 (0–100%)
107 Main Green Ring 15	0–255	Main green ring 15 (0–100%)
108 Main Blue Ring 15	0–255	Main blue ring 15 (0–100%)
109 Main White Ring 15	0–255	Main white ring 15 (0–100%)
110 Main Red Ring 16	0–255	Main red ring 16 (0–100%)
111 Main Green Ring 16	0–255	Main green ring 16 (0–100%)
112 Main Blue Ring 16	0–255	Main blue ring 16 (0–100%)
113 Main White Ring 16	0–255	Main white ring 16 (0–100%)