DMX CHARTS

RDM Personality ID List

ID	DMX Mode	Footprint
1	STANDARD	42

RDM Model ID

0xA040

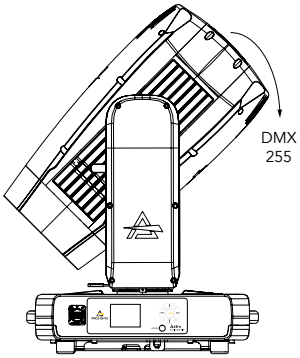
DMX Chart Summary

DMX MODE STANDARD 42ch	Function
1	Pan
2	Pan fine
3	Tilt
4	Tilt fine
5	Dimmer
6	Dimmer Fine
7	Shutter
8	Cyan
9	Magenta
10	Yellow
11	CTO
12	Color Wheel 1
13	Color Wheel 2
14	Color Wheel 3
15	Color Wheel 4
16	Rot Gobo Wheel
17	Gobo Rot
18	Gobo Rot Fine
19	Prism 1 Circular
20	Prism 1 Index/Rot
21	Prism 2 Linear
22	Prism 2 Index/Rot

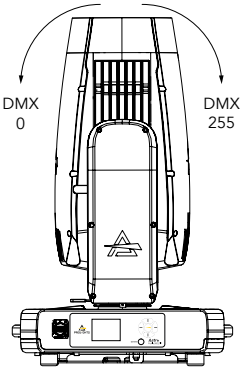
DMX MODE STANDARD 42ch	Function
23	Light Frost
24	Zoom
25	Zoom Fine
26	Focus
27	Focus Fine
28	Animation Insertion
29	Animation Rotation
30	Blade 1 position
31	Blade 1 swivelling
32	Blade 2 position
33	Blade 2 swivelling
34	Blade 3 position
35	Blade 3 swivelling
36	Blade 4 position
37	Blade 4 swivelling
38	Frame rotation
39	Frame macros
40	Frame macros speed
41	Focus Tracking
42	Control

PAN/TILT POSITION RELATED TO DMX VALUES

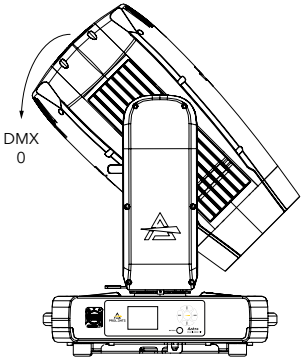
Pan = 0
Tilt = 0



Pan = 0
Tilt = 128

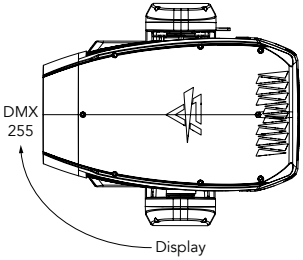


Pan = 0
Tilt = 255

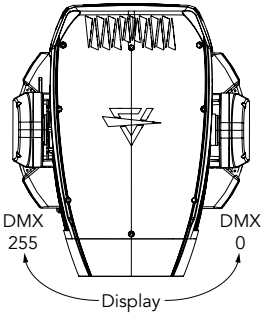


Tilt movement range: 260°
Pan movement range: 540°

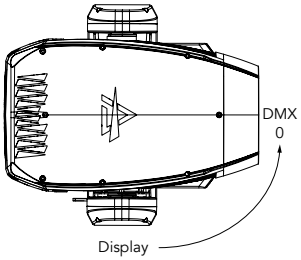
Pan = 0
Tilt = 42



Pan = 128
Tilt = 42

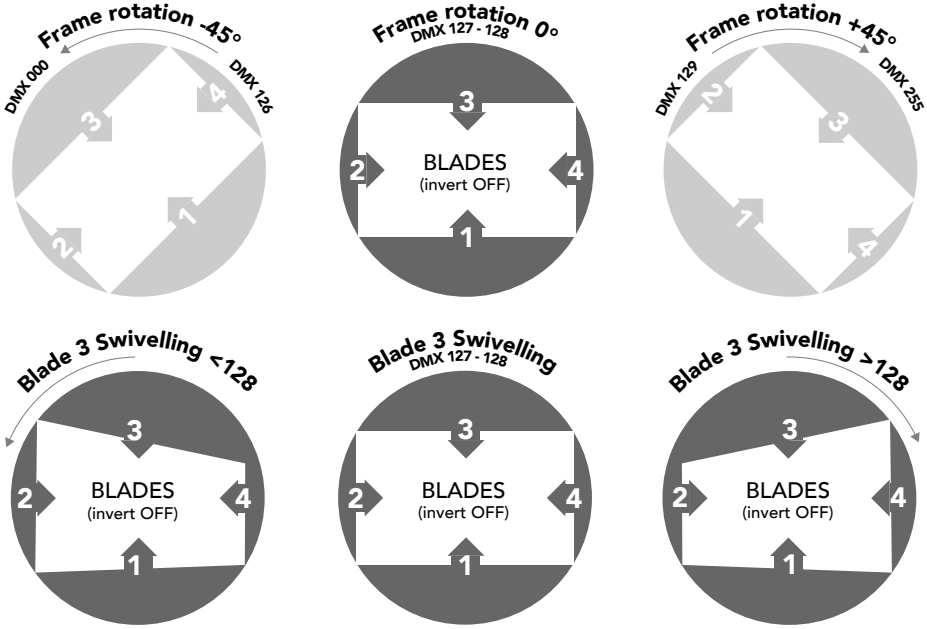


Pan = 255
Tilt = 42

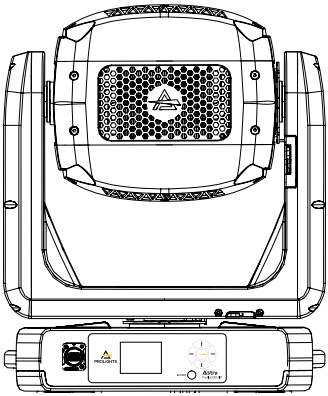


BLADES BEHAVIOUR

Check Below image for all the informations about the profile module



PROJECTION ON THE WALL



Fixture with
PAN/TILT channels @
PAN @50% - DMX128
TILT @ 84% - DMX 214

FOCUS TRACKING

This function provides auto-adjustment of the focus during the zoom movement:

1. Select the function to be tracked via channel 41 ("Focus Tracking");
2. Focus the selected function at a narrow zoom (***NOTE****: the zoom value must be less than 135*);
3. As you adjust the zoom, the focus will automatically follow, keeping the projection focused;
4. If you select a different function via channel 41 ("Focus Tracking"), the focus will automatically adjust to track the new selection.

Channel STANDARD	Name	Function	DMX		Default
			From	To	
1	Pan	Pan movement	0	255	128
2	Pan fine	Fine pan movement	0	255	0
3	Tilt	Tilt movement	0	255	128
4	Tilt fine	Fine tilt movement	0	255	0
5	Dimmer	Dimmer intensity 0 – 100%	0	255	0
6	Dimmer Fine	Fine dimming	0	255	0
7	Shutter	Open	0	1	0
		Strobe from slow to fast	2	62	
		Open	63	64	
		Pulse in from slow to fast	65	125	
		Close	126	127	
		Pulse out from slow to fast	128	188	
		Open	189	190	
		Randon from slow to fast	191	251	
		Open	252	255	
8	Cyan	Linear saturation 0 – 100%	0	255	0
9	Magenta	Linear saturation 0 – 100%	0	255	0
10	Yellow	Linear saturation 0 – 100%	0	255	0
11	CTO	Linear saturation 0 – 100%	0	255	0
12	Color Wheel 1	**Color Linear Movement**			0
		Open	0		
		Open + Dark Red	1	30	
		Dark Red	31		
		Dark Red + High Cri	32	61	
		High Cri	62		
		High Cri + Lavander	63	92	
		Lavander	93		
		Lavander + Cyan	94	123	
		Cyan	124	159	
		Color Slot			
		Open	160	167	
		Dark Red	168	175	
		High Cri	176	183	
		Lavander	184	191	
		Cyan	192	199	

Channel STANDARD	Name	Function	DMX From	DMX To	Default
12	Color Wheel 1	**Color Wheel Rotation**			0
		Forward rainbow - Fast to slow	200	224	
		No rotation	225	230	
		Backwards rainbow - Slow to fast	231	255	
13	Color Wheel 2	**Color Linear Movement**			0
		Open	0		
		Open + Dark Blue	1	30	
		Dark Blue	31		
		Dark Blue + Light Orange	32	61	
		Light Orange	62		
		Light Orange + Light Green	63	92	
		Light Green	93		
		Light Green + Magenta	94	123	
		Magenta	124	159	
		Color Slot			
		Open	160	167	
		Dark Blue	168	175	
		Light Orange	176	183	
		Light Green	184	191	
		Magenta	192	199	
		Color Wheel Rotation			
		Forward rainbow - Fast to slow	200	224	
		No rotation	225	230	
		Backwards rainbow - Slow to fast	231	255	
14	Color Wheel 3	**Color Linear Movement**			0
		Open	0		
		Open + Medium Blue	1	30	
		Medium Blue	31		
		Medium Blue + Acquamarine	32	61	
		Acquamarine	62		
		Acquamarine + Pink	63	92	
		Pink	93		
		Pink + Yellow	94	123	
		Yellow	124	159	

Channel STANDARD	Name	Function	DMX From	DMX To	Default
14	Color Wheel 3	**Color Slot**			0
		Open	160	167	
		Medium Blue	168	175	
		Acquamarine	176	183	
		Pink	184	191	
		Yellow	192	199	
		Color Wheel Rotation			
		Forward rainbow - Fast to slow	200	224	
		No rotation	225	230	
		Backwards rainbow - Slow to fast	231	255	
15	Color Wheel 4	**Color Linear Movement**			0
		Open	0		
		Open + Full CTB	1	30	
		Full CTB	31		
		Full CTB + CTO 2200	32	61	
		CTO 2200	62		
		CTO 2200 + CTO 2700	63	92	
		CTO 2700	93		
		CTO 2700 + CTO 3000	94	123	
		CTO 3000	124	159	
		Color Slot			
		Open	160	167	
		Full CTB	168	175	
		CTO 2200	176	183	
		CTO 2700	184	191	
		CTO 3000	192	199	
		Color Wheel Rotation			
		Forward rainbow - Fast to slow	200	224	
		No rotation	225	230	
		Backwards rainbow - Slow to fast	231	255	

Channel STANDARD	Name	Function	DMX		Default
			From	To	
16	Rot Gobo Wheel	Open	0	11	0
		Gobo Indexing (set next ch)			
		GOBO 1	12	19	
		GOBO 2	20	27	
		GOBO 3	28	35	
		GOBO 4	36	43	
		GOBO 5	44	51	
		GOBO 6	52	59	
		GOBO 7	60	67	
		Gobo Rotation (set next ch)			
		GOBO 1	68	75	
		GOBO 2	76	83	
		GOBO 3	84	91	
		GOBO 4	92	99	
		GOBO 5	100	107	
		GOBO 6	108	115	
		GOBO 7	116	123	
		Gobo shaking - Slow to fast (Index on next channel)			
		GOBO 1	124	133	
		GOBO 2	134	143	
		GOBO 3	144	153	
		GOBO 4	154	163	
		GOBO 5	164	173	
		GOBO 6	174	183	
		GOBO 7	184	193	
		Gobo Wheel Rotation			
		Forward rotation - Fast to slow	194	223	
		No rotation	224	225	
		Backwards rotation - Slow to fast	226	255	
17	Gobo Rot	**Gobo Indexing**			0
		Gobo index 0° - 360°	0	255	
		Gobo Rotation			
		No rotation	0	0	
		Forward gobo rotation - Fast to slow	1	127	
		No rotation	128	128	
		Backwards gobo rotation - Slow to fast	129	255	
18	Gobo Rot Fine	Fine indexing/rotation	0	255	0

Channel STANDARD	Name	Function	DMX		Default
			From	To	
19	Prism 1 Circular	Open	0	29	0
		Prism Indexing (set next ch)	30	59	
		Prism Rotation (set next ch)	60	89	
		Reserved	90	255	
20	Prism 1 Index/Rotation	**Prism Indexing**			0
		Prism Indexing	0	255	
		Prism Rotation			
		Prism No Rotation	0	0	
		Prism forward rotation fast to slow	1	127	
		Prism No Rotation	128	128	
		Prism backwards rotation slow to fast	129	255	
21	Prism 2 Linear	Open	0	29	0
		Prism Indexing (set next ch)	30	59	
		Prism Rotation (set next ch)	60	89	
		Reserved	90	255	
22	Prism 2 Index/Rotation	**Prism Indexing**			0
		Prism Indexing	0	255	
		Prism Rotation			
		Prism No Rotation	0	0	
		Prism forward rotation fast to slow	1	127	
		Prism No Rotation	128	128	
		Prism backwards rotation slow to fast	129	255	
23	Light Frost	Linear insertion 0 – 100%	0	255	0
24	Zoom	Zoom from min to max beam angle	0	255	128
25	Zoom Fine	Fine zooming	0	255	0
26	Focus	Focus adjustment	0	255	128
27	Focus Fine	Fine focusing	0	255	0
28	Animation Insertion	Linear insertion from 0% to 100%	0	255	0
29	Animation Rotation	Indexing	0	127	0
		Forward rotation - Fast to slow	128	190	
		Stop	191	192	
		Backwards rotation - Slow to fast	193	255	
30	Blade 1 position	Movement from outward to inward	0	255	0
31	Blade 1 swivelling	Swivelling from -30° towards 0°	0	127	128
		0 degrees	128	128	
		Swivelling from 0° towards +30°	129	255	

Channel STANDARD	Name	Function	DMX		Default
			From	To	
32	Blade 2 position	Movement from outward to inward	0	255	0
33	Blade 2 swivelling	Swivelling from -30° towards 0°	0	127	128
		0 degrees	128	128	
		Swivelling from 0° towards +30°	129	255	
34	Blade 3 position	Movement from outward to inward	0	255	0
35	Blade 3 swivelling	Swivelling from -30° towards 0°	0	127	128
		0 degrees	128	128	
		Swivelling from 0° towards +30°	129	255	
36	Blade 4 position	Movement from outward to inward	0	255	0
37	Blade 4 swivelling	Swivelling from -30° towards 0°	0	127	128
		0 degrees	128	128	
		Swivelling from 0° towards +30°	129	255	
38	Frame rotation	-45 degrees to 0 degrees	0	126	128
		0 degrees	127	128	
		0 degrees to +45 degrees	129	255	
39	Frame macros	No Function	0	3	0
		Macro 1	4	10	
		Macro 2	11	17	
		Macro 3	18	24	
		Macro 4	25	31	
		Macro 5	32	38	
		Macro 6	39	45	
		Macro 7	46	52	
		Macro 8	53	59	
		Macro 9	60	66	
		Macro 10	67	73	
		Macro 11	74	80	
		Macro 12	81	87	
		Macro 13	88	94	
		Macro 14	95	101	
		Macro 15	102	108	
		Macro 16	109	115	
		Macro 17	116	122	
		Macro 18	123	129	
		Macro 19	130	136	
		Macro 20	137	143	

Channel STANDARD	Name	Function	DMX		Default
			From	To	
39	Frame macros	Macro 21	144	150	0
		Macro 22	151	157	
		Macro 23	158	164	
		Macro 24	165	171	
		Macro 25	172	178	
		Macro 26	179	185	
		Macro 27	186	192	
		Macro 28	193	199	
		Macro 29	200	206	
		Macro 30	207	213	
		Macro 31	214	220	
		Macro 32	221	227	
		Macro 33	228	234	
		Macro 34	235	241	
		Macro 35	242	248	
		Macro 36	249	255	
40	Frame macros speed	Lineary from 0 to 100%	0	255	0
41	Focus Tracking	OFF	8	49	0
		ON - Priority GOBO WHL	50	59	
		Reserved	60	69	
		ON - Priority BLADES	70	79	
		Reserved	80	89	
		ON - Priority ANIMATION	90	99	
		ON - Priority OPEN	100	109	
		Reserved	110	255	
42	Control	NO FUNCTION/SAFE	0	1	0
		PAN REVERSE ON	2	3	
		PAN REVERSE OFF	4	5	
		TILT REVERSE ON	6	7	
		TILT REVERSE OFF	8	9	
		PAN/TILT MODE FAST	10	11	
		PAN/TILT MODE MEDIUM	12	13	
		PAN/TILT MODE SLOW	14	15	
		RESERVED	16	47	
		DISPLAY ON	48	49	
		DISPLAY 15S	50	51	
		FLIP DISPLAY ON	52	53	
		FLIP DISPLAY OFF	54	55	
		FLIP DISPLAY AUTO	56	57	

Channel STANDARD	Name	Function	DMX		Default
			From	To	
42	Control	KEY LOCK ON	58	59	0
		KEY LOCK OFF	60	61	
		FAN MODE AUTO	62	63	
		FAN MODE SILENT	64	65	
		FAN MODE HIGH	66	67	
		NO SIGNAL HOLD	68	69	
		NO SIGNAL BLACKOUT	70	71	
		STATUS LED ON	72	73	
		STATUS LED OFF	74	75	
		DIMMER CURVE LINEAR	76	77	
		DIMMER CURVE S-CURVE	78	79	
		DIMMER CURVE SQUARE LAW	80	81	
		DIMMER CURVE INVERSE SQUARE LAW	82	83	
		DIMMER SPEED AUTO	84	85	
		DIMMER SPEED FAST	86	87	
		DIMMER SPEED MEDIUM	88	89	
		DIMMER SPEED SLOW	90	91	
		LED FREQUENCY 1000HZ	92	95	
		LED FREQUENCY 2000HZ	96	97	
		LED FREQUENCY 4000HZ	98	99	
		LED FREQUENCY 6000HZ	100	101	
		LED FREQUENCY 25KHZ	102	103	
		LED FREQUENCY 50KHZ	104	105	
		INVERT ZOOM OFF	106	107	
		INVERT ZOOM ON	108	109	
		INVERT BLADES ON	110	111	
		INVERT BLADES OFF	112	113	
		RESERVED	114	199	
		RESET ALL	200	201	
		RESET PAN & TILT	202	203	
		RESET ZOOM/FOCUS	204	205	
		RESET COLORS	206	207	
		RESET GOBOS/ANIMATION	208	209	
		RESET EFFECTS	210	211	
		RESET ALL BLADES	212	213	
		RESERVED	214	251	
		FACTORY DEFAULT OF CONTROL FUNCTIONS	252	253	
		RESERVED	254	255	