

DMX CHARTS

RDM Personality ID List

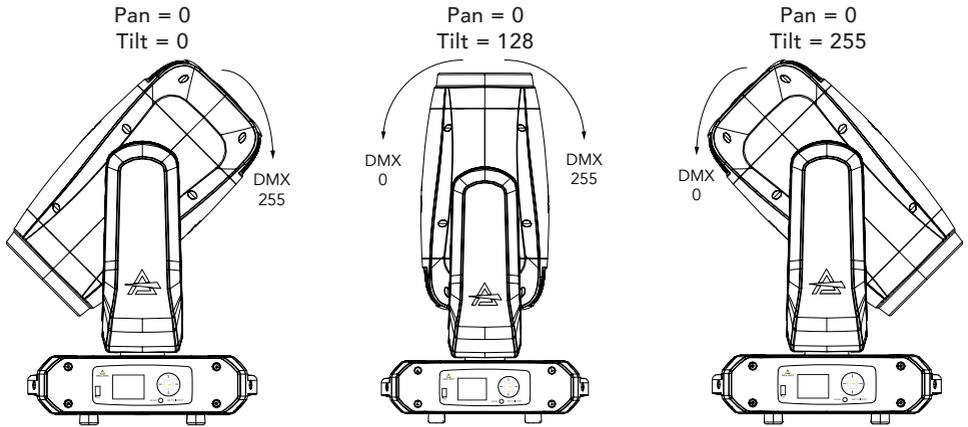
ID	DMX Mode	Footprint
1	STANDARD	38
2	EXTENDED	42

RDM Model ID

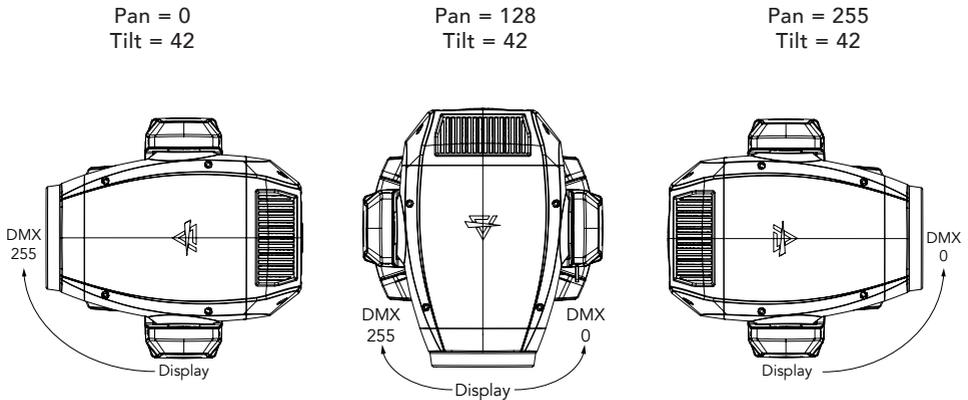
0xA035

PAN/TILT POSITION RELATED TO DMX VALUES

Home position set to *CUSTOM (Default)*



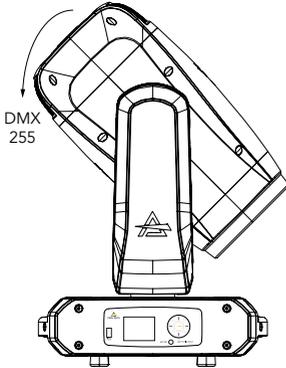
Tilt movement range: 260°
Pan movement range: 540°



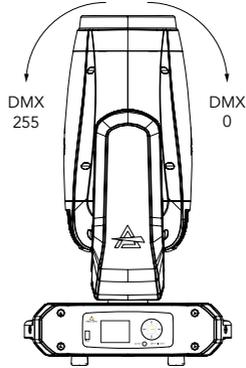
PAN/TILT POSITION RELATED TO DMX VALUES

Home position set to STANDARD (User selectable)

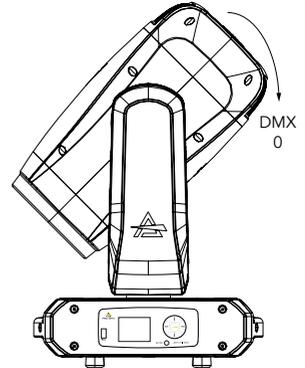
Pan = 128
Tilt = 0



Pan = 128
Tilt = 128

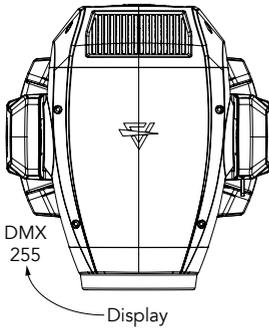


Pan = 128
Tilt = 255

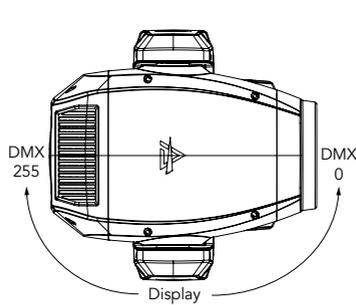


Tilt movement range: 260°
Pan movement range: 540°

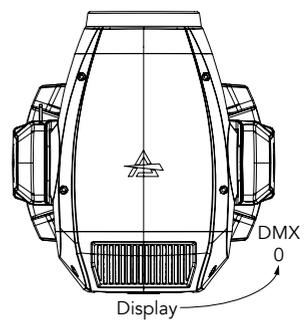
Pan = 0
Tilt = 42



Pan = 128
Tilt = 42

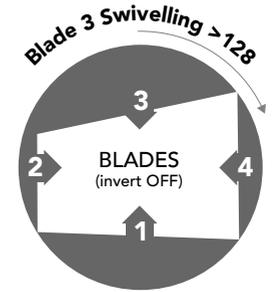
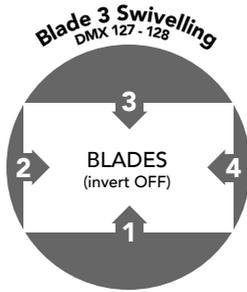
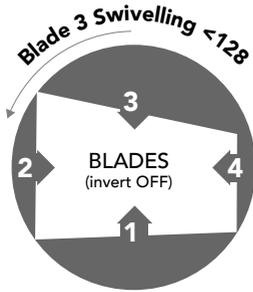
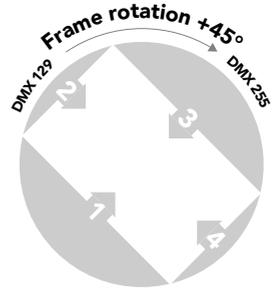
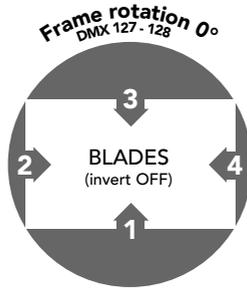
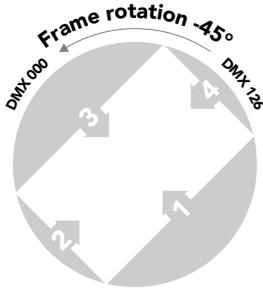


Pan = 255
Tilt = 42

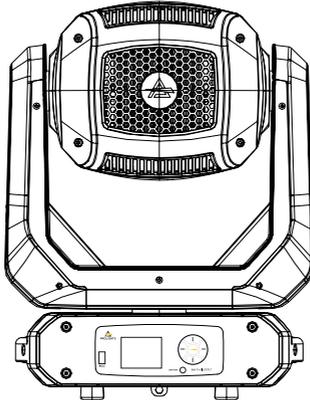


BLADES BEHAVIOUR

Check Below image for all the informations about the profile module



PROJECTION ON THE WALL



Fixture with
CUSTOM HOME POSITION
and PAN/TILT channels @
PAN @50% - DMX128
TILT @ 84% - DMX 214

Fixture with
STANDARD HOME POSITION
and PAN/TILT channels @
PAN @50% - DMX 172
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 35/39 ("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 35/39 ("Focus Tracking"), the focus will automatically adjust to track the new selection.

DMX Chart Summary

DMX MODE		Function	DMX MODE		Function
STANDARD 38 ch	EXTENDED 42ch		STANDARD 38 ch	EXTENDED 42ch	
1	1	Pan	20	22	Prism 2 Index/Rot
2	2	Pan fine	21	23	Frost
3	3	Tilt	22	24	Zoom
4	4	Tilt fine	23	25	Zoom Fine
5	5	Dimmer	24	26	Focus
6	6	Dimmer Fine	25	27	Focus Fine
7	7	Shutter	26	28	Animation Insertion
8	8	Cyan	27	29	Animation Rotation
9	9	Magenta	28	30	Blade 1 position
10	10	Yellow	29	31	Blade 1 swivelling
11	11	CTO	30	32	Blade 2 position
12	12	Color Wheel 1	31	33	Blade 2 swivelling
-	13	Color Wheel 1 Fine Positioning	32	34	Blade 3 position
13	14	Color Wheel 2	33	35	Blade 3 swivelling
-	15	Color Wheel 2 Fine Positioning	34	36	Blade 4 position
14	16	Rot Gobo Wheel	35	37	Blade 4 swivelling
15	17	Gobo Rot	36	38	Frame rotation
16	18	Gobo Rot Fine	-	39	Frame macros
17	19	Prism 1	-	40	Frame macros speed
18	20	Prism 1 Index/Rot	37	41	Focus Tracking
19	21	Prism 2	38	42	Control

DMX MODE		Name	Function	DMX		Default
STANDARD 38 ch	EXTENDED 42 ch			FROM	TO	
1	1	Pan	Pan movement	0	255	128
2	2	Pan fine	Fine pan movement	0	255	0
3	3	Tilt	Tilt movement	0	255	128
4	4	Tilt fine	Fine tilt movement	0	255	0
5	5	Dimmer	Dimmer intensity 0 – 100%	0	255	0
6	6	Dimmer Fine	Fine dimming	0	255	0
7	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	8	Cyan	Linear saturation 0 – 100%	0	255	0
9	9	Magenta	Linear saturation 0 – 100%	0	255	0
10	10	Yellow	Linear saturation 0 – 100%	0	255	0
11	11	CTO	Linear saturation 0 – 100%	0	255	0
12	12	Color Wheel 1	Color Positioning		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		
			Color Wheel Rotation			
			Forward rainbow - Fast to slow	200 224		
			No rotation	225 230		
			Backwards rainbow - Slow to fast	231 255		

DMX MODE		Name	Function	DMX		Default	
STANDARD 38 ch	EXTENDED 42 ch			FROM	TO		
-	13	Color Wheel 1 Fine Positioning	Fine positioning	0	255	0	
13	14	Color Wheel 2	Color Positioning				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					
-	15	Color Wheel 2 Fine Positioning	Fine positioning	0	255	0	

DMX MODE		Name	Function	DMX		Default	
STANDARD 38 ch	EXTENDED 42 ch			FROM	TO		
14	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		
			15	17	Gobo Rot		Gobo Indexing
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					
16	18	Gobo Rot Fine	Fine indexing/rotation	0	255	0	

DMX MODE		Name	Function	DMX		Default
STANDARD 38 ch	EXTENDED 42 ch			FROM	TO	
17	19	Prism 1	Open	0	29	0
			Prism Indexing (set next ch)	30	59	
			Prism Rotation (set next ch)	60	89	
			Reserved	90	255	
18	20	Prism 1 Index/ Rotation	Prism Indexing		0	255
			Prism Indexing	0		
			Prism Rotation		0	
			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				
19	21	Prism 2	Open	0	29	0
			Prism Indexing (set next ch)	30	59	
			Prism Rotation (set next ch)	60	89	
			Reserved	90	255	
20	22	Prism 2 Index/ Rotation	Prism Indexing		0	255
			Prism Indexing	0		
			Prism Rotation		0	
			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	23	Frost	Linear insertion 0 – 100%	0	255	0
22	24	Zoom	Zoom from min to max beam angle	0	255	128
23	25	Zoom Fine	Fine zooming	0	255	0
24	26	Focus	Focus adjustment	0	255	128
25	27	Focus Fine	Fine focusing	0	255	0
26	28	Animation Insertion	Linear insertion from 0% to 100%	0	255	0
27	29	Animation Rotation	Indexing	0	127	0
			Forward rotation - Fast to slow	128	190	
			Stop	191	192	
			Backwards rotation - Slow to fast	193	255	
28	30	Blade 1 position	Movement from outward to inward	0	255	0
29	31	Blade 1 swivelling	Swivelling from -30° towards 0°	0	127	128
			0 degrees	128	128	
			Swivelling from 0° towards +30°	129	255	
30	32	Blade 2 position	Movement from outward to inward	0	255	0
31	33	Blade 2 swivelling	Swivelling from -30° towards 0°	0	127	128
			0 degrees	128	128	
			Swivelling from 0° towards +30°	129	255	

DMX MODE		Name	Function	DMX		Default
STANDARD 38 ch	EXTENDED 42 ch			FROM	TO	
32	34	Blade 3 position	Movement from outward to inward	0	255	0
33	35	Blade 3 swivelling	Swivelling from -30° towards 0°	0	127	128
			0 degrees	128	128	
			Swivelling from 0° towards +30°	129	255	
34	36	Blade 4 position	Movement from outward to inward	0	255	0
35	37	Blade 4 swivelling	Swivelling from -30° towards 0°	0	127	128
			0 degrees	128	128	
			Swivelling from 0° towards +30°	129	255	
36	38	Frame rotation	-45 degrees to 0 degrees	0	126	128
			0 degrees	127	128	
			0 degrees to +45 degrees	129	255	

DMX MODE		Name	Function	DMX		Default
STANDARD 38 ch	EXTENDED 42 ch			FROM	TO	
-	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	
			Macro 21	144	150	
			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

DMX MODE		Name	Function	DMX		Default
STANDARD 38 ch	EXTENDED 42 ch			FROM	TO	
37	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	
38	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	35	
			Invert blades on	36	37	
			Invert blades off	38	39	
			Reserved	40	47	
			Display on	48	49	
			Display 10s	50	51	
			Display 20s	52	53	
			Display 30s	54	55	
			Flip display on	56	57	
			Flip display off	58	59	
			Flip display auto	60	61	
			Key lock on	62	63	
			Key lock off	64	65	
			Fan mode auto	66	67	
			Fan mode silent	68	69	
			Fan mode high	70	71	
			No signal hold	72	73	
			No signal blackout	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 600hz	92	93				
Led frequency 1200hz	94	95				
Led frequency 2000hz	96	97				

DMX MODE		Name	Function	DMX		Default
STANDARD 38 ch	EXTENDED 42 ch			FROM	TO	
38	42	Control	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	
			Reset all	110	111	
			Reset pan & tilt	112	117	
			Reset colors	118	123	
			Reset gobos / animation	124	127	
			Reset effects	128	137	
			Reset zoom / focus	138	141	
			Reserved	142	145	
			Reset all blades	146	163	
			Reserved	164	251	
			Factory default of control functions	252	253	
			Reserved	254	255	