

DMX CHARTS

RDM Personality ID List

ID	DMX Mode	Footprint
1	STANDARD	38
2	EXTENDED	43

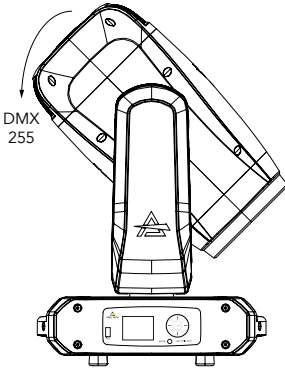
RDM Model ID

0xA035

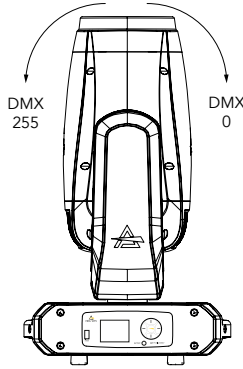
PAN/TILT POSITION RELATED TO DMX VALUES

Home position set to STANDARD

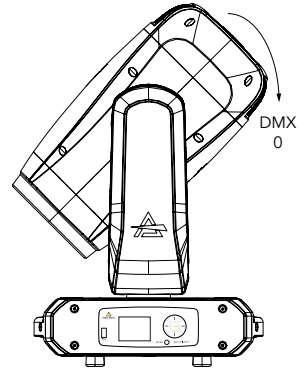
Pan = 128
Tilt = 0



Pan = 128
Tilt = 128

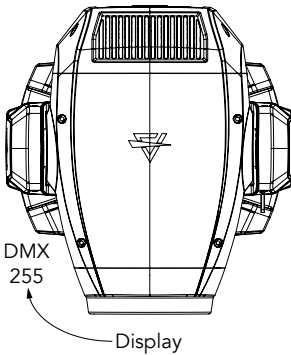


Pan = 128
Tilt = 255

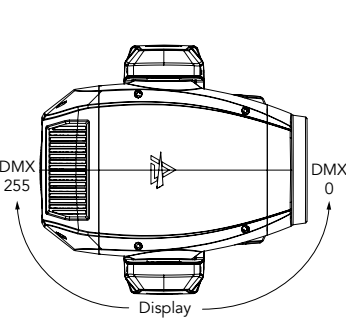


Tilt movement range: 270°
Pan movement range: 540°

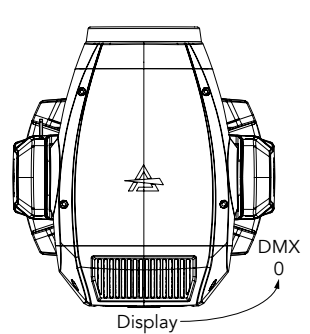
Pan = 0
Tilt = 42



Pan = 128
Tilt = 42

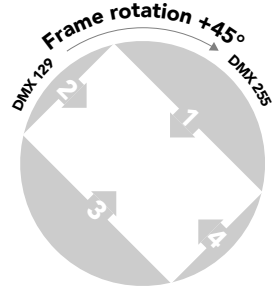
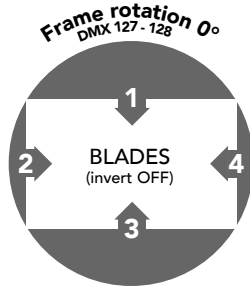
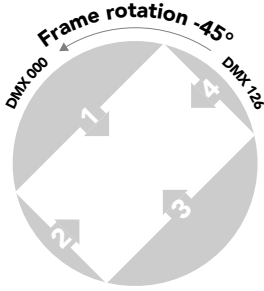


Pan = 255
Tilt = 42

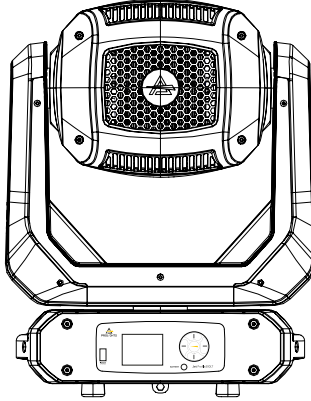


BLADES BEHAVIOUR

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

DMX Chart Summary

DMX MODE		Function	DMX MODE		Function
STANDARD 38 ch	EXTENDED 43 ch		STANDARD 38 ch	EXTENDED 43 ch	
1	1	Pan	26	29	Animation Insertion
2	2	Pan fine	27	30	Animation Rotation
3	3	Tilt	28	31	Blade 1 position
4	4	Tilt fine	29	32	Blade 1 swivelling
5	5	Dimmer	30	33	Blade 2 position
6	6	Dimmer Fine	31	34	Blade 2 swivelling
7	7	Shutter	32	35	Blade 3 position
8	8	Cyan	33	36	Blade 3 swivelling
9	9	Magenta	34	37	Blade 4 position
10	10	Yellow	35	38	Blade 4 swivelling
11	11	Color Wheel 1	36	39	Frame rotation
-	12	Color Wheel 1 Fine Positioning	-	40	Frame macros
12	13	Color Wheel 2	-	41	Frame macros speed
-	14	Color Wheel 2 Fine Positioning	37	42	Focus Tracking
13	15	Color Wheel 3	38	43	Control
-	16	Color Wheel 3 Fine Positioning			
14	17	Rot Gobo Wheel			
15	18	Gobo Rot			
16	19	Gobo Rot Fine			
17	20	Prism 1			
18	21	Prism 1 Index/Rot			
19	22	Prism 2			
20	23	Prism 2 Index/Rot			
21	24	Frost			
22	25	Zoom			
23	26	Zoom Fine			
24	27	Focus			
25	28	Focus Fine			

DMX MODE		Name	Function	DMX		Default
STANDARD 38 ch	EXTENDED 43 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	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				
-	12	Color Wheel 1 Fine Positioning	Fine positioning	0	255	0

DMX MODE		Name	Function	DMX		Default	
STANDARD 38 ch	EXTENDED 43 ch			FROM	TO		
12	13	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					
-	14	Color Wheel 2 Fine Positioning	Fine positioning	0	255	0	
13	15	Color Wheel 3	Color Positioning				0
			Open	0			
			Open + CTO 2400K	1	30		
			CTO 2400K	31			
			CTO 2400K + CTO 3200K	32	61		
			CTO 3200K	62			
			CTO 3200K + Pink	63	92		
			Pink	93			
			Pink + Yellow	94	123		
			Yellow	124	159		
			Color Slot				
			Open	160	167		
			CTO 2400K	168	175		
			CTO 3200K	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					
-	16	Color Wheel 3 Fine Pos	Fine positioning	0	255	0	

DMX MODE		Name	Function	DMX		Default		
STANDARD 38 ch	EXTENDED 43 ch			FROM	TO			
14	17	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	18	Gobo Rot		Gobo Indexing	
Gobo index 0° - 360°	0	255						
Gobo Rotation								
No rotation	0	0				0		
Forward gobo rotation - Fast to slow	1	127						
No rotation	128	128						
Backwards gobo rotation - Slow to fast	129	255						
16	19	Gobo Rot Fine	Fine indexing/rotation	0	255	0		
17	20	Prism 1	Open	0	29	0		
			Prism Indexing (set next ch)	30	59			
			Prism Rotation (set next ch)	60	89			
			Reserved	90	255			

DMX MODE		Name	Function	DMX		Default	
STANDARD 38 ch	EXTENDED 43 ch			FROM	TO		
18	21	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		
19	22	Prism 2	Prism backwards rotation slow to fast	129	255	0	
			Open	0	29		
			Prism Indexing (set next ch)	30	59		
			Prism Rotation (set next ch)	60	89		
			Reserved	90	255		
20	23	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		
21	24	Frost	Prism backwards rotation slow to fast	129	255	0	
22	25	Zoom	Linear insertion 0 – 100%	0	255	0	
23	26	Zoom Fine	Zoom from min to max beam angle	0	255	128	
24	27	Focus	Fine zooming	0	255	0	
25	28	Focus Fine	Focus adjustment	0	255	128	
26	29	Animation Insertion	Fine focusing	0	255	0	
27	30	Animation Rotation	Linear insertion from 0% to 100%	0	255	0	
			Indexing	0	127		
			Forward rotation - Fast to slow	128	190		
			Stop	191	192		
28	31	Blade 1 position	Backwards rotation - Slow to fast	193	255	0	
			Movement from outward to inward	0	255		
			Swivelling from -30° towards 0°	0	127		
29	32	Blade 1 swivelling	0 degrees	128	128	128	
			Swivelling from 0° towards +30°	129	255		
			Movement from outward to inward	0	255		
30	33	Blade 2 position	Swivelling from -30° towards 0°	0	127	0	
			0 degrees	128	128		
			Swivelling from 0° towards +30°	129	255		
31	34	Blade 2 swivelling	Movement from outward to inward	0	255	128	
			Swivelling from -30° towards 0°	0	127		
			0 degrees	128	128		
32	35	Blade 3 position	Swivelling from 0° towards +30°	129	255	0	
			Movement from outward to inward	0	255		
			Swivelling from -30° towards 0°	0	127		
33	36	Blade 3 swivelling	0 degrees	128	128	128	
			Swivelling from 0° towards +30°	129	255		
			Movement from outward to inward	0	255		
34	37	Blade 4 position	Swivelling from -30° towards 0°	0	127	0	
			0 degrees	128	128		
			Swivelling from 0° towards +30°	129	255		
35	38	Blade 4 swivelling	Movement from outward to inward	0	255	128	
			Swivelling from -30° towards 0°	0	127		
			0 degrees	128	128		
			Swivelling from 0° towards +30°	129	255		

DMX MODE		Name	Function	DMX		Default
STANDARD 38 ch	EXTENDED 43 ch			FROM	TO	
36	39	Frame rotation	-45 degrees to 0 degrees	0	126	128
			0 degrees	127	128	
			0 degrees to +45 degrees	129	255	
-	40	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				
-	41	Frame macros speed	Lineary from 0 to 100%	0	255	0

DMX MODE		Name	Function	DMX		Default
STANDARD 38 ch	EXTENDED 43 ch			FROM	TO	
37	42	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	43	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	
			Home mode standard	16	17	
			Home mode custom	18	19	
			Movement in blackout on	20	21	
			Movement in blackout off	22	23	
			Color wheel 1 blackout on (index)	24	25	
			Color wheel 1 blackout off (index)	26	27	
			Color wheel 2 blackout on (index)	28	29	
			Color wheel 2 blackout off (index)	30	31	
			Color wheel 3 blackout on (index)	32	33	
			Color wheel 3 blackout off (index)	34	35	
			Rotating gobo wheel blackout on (index)	36	37	
			Rotating gobo wheel blackout off (index)	38	39	
			Rotating gobo wheel continuous movement (index)	40	41	
			Rotating gobo wheel step movement (index)	42	43	
			Display on	44	45	
			Display 10s	46	47	
			Display 20s	48	49	
			Display 30s	50	51	
			Flip display on	52	53	
			Flip display off	54	55	
			Flip display auto	56	57	
			Key lock on	58	59	
			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				

DMX MODE		Name	Function	DMX		Default
STANDARD 38 ch	EXTENDED 43 ch			FROM	TO	
38	43	Control	Dimmer curve linear	72	73	0
			Dimmer curve s-curve	74	75	
			Dimmer curve square law	76	77	
			Dimmer curve inverse square law	78	79	
			Dimmer speed auto	80	81	
			Dimmer speed fast	82	83	
			Dimmer speed medium	84	85	
			Dimmer speed slow	86	87	
			Led frequency 600hz	88	89	
			Led frequency 1200hz	90	91	
			Led frequency 2000hz	92	93	
			Led frequency 4000hz	94	95	
			Led frequency 6000hz	96	97	
			Led frequency 25khz	98	99	
			Led frequency 50khz	100	101	
			Invert zoom off	102	103	
			Invert zoom on	104	105	
			Reset all	106	107	
			Reset pan	108	109	
			Reset tilt	110	111	
			Reset pan & tilt	112	113	
			Reset color 1	114	115	
			Reset color 2	116	117	
			Reset color 3	118	119	
			Reset rot gobo	120	121	
			Reset prism 1	122	123	
			Reset prism 1 rotation	124	125	
			Reset prism 2	126	127	
			Reset prism 2 rotation	128	129	
			Reset frost	130	131	
			Reset zoom	132	133	
			Reset focus	134	135	
			Reset animation	136	137	
			Reset animation rotation	138	139	
			Reset blade 1 positon	140	141	
			Reset blade 1 rot	142	143	
			Reset blade 2 positon	144	145	
			Reset blade 2 rot	146	147	
			Reset blade 3 positon	148	149	
			Reset blade 3 rot	150	151	
			Reset blade 4 positon	152	153	
			Reset blade 4 rot	154	155	
			Reset frame rot	156	157	
Reserved	158	251				
Factory default of control functions	252	253				
Reserved	254	255				