

DMX CHARTS

RDM Personality ID List

ID	DMX Mode	Footprint
1	STANDARD	38
2	EXTENDED	42

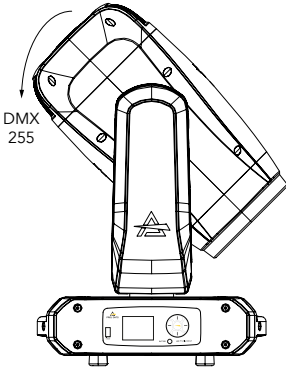
RDM Model ID

0xA035

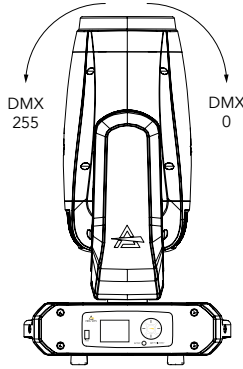
PAN/TILT POSITION RELATED TO DMX VALUES

Home position set to STANDARD

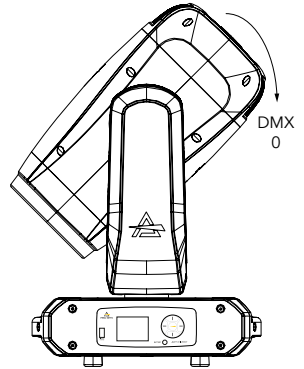
Pan = 128
Tilt = 0



Pan = 128
Tilt = 128

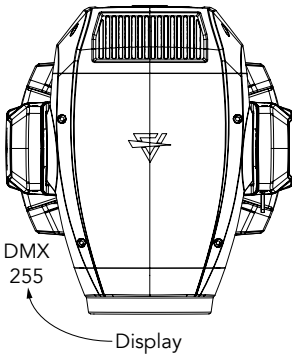


Pan = 128
Tilt = 255

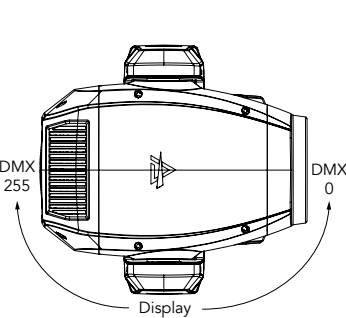


Tilt movement range: 260°
Pan movement range: 540°

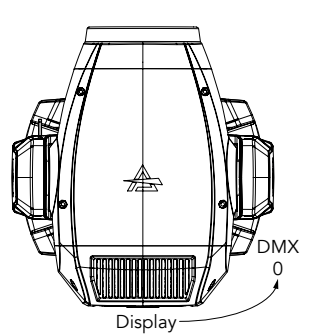
Pan = 0
Tilt = 42



Pan = 128
Tilt = 42

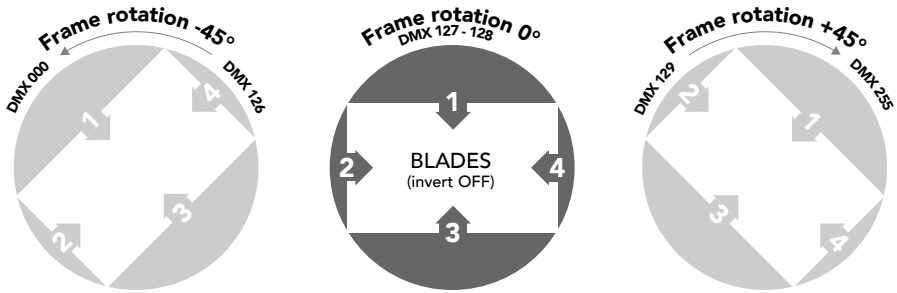


Pan = 255
Tilt = 42

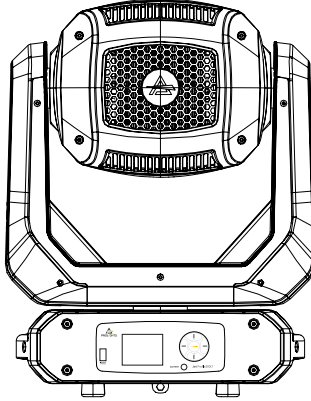


BLADES BEHAVIOUR

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	
			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	
			Invert blades on	36	37	
			Invert blades off	38	39	
			Rotating gobo wheel blackout on (index)	40	41	
			Rotating gobo wheel blackout off (index)	42	43	
			Rotating gobo wheel continuous movement (index)	44	45	
			Rotating gobo wheel step movement (index)	46	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				

DMX MODE		Name	Function	DMX		Default
STANDARD 38 ch	EXTENDED 42 ch			FROM	TO	
38	42	Control	Dimmer curve linear	76	77	0
			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	
			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	112	113	
			Reset tilt	114	115	
			Reset pan & tilt	116	117	
			Reset color 1 - cyan	118	119	
			Reset color 2 - magenta	120	121	
			Reset yellow + cto	122	123	
			Reserved	124	125	
			Reset rot gobo	126	127	
			Reset prism 1	128	129	
			Reset prism 1 rotation	130	131	
			Reset prism 2	132	133	
			Reset prism 2 rotation	134	135	
			Reset frost	136	137	
			Reset zoom	138	139	
			Reset focus	140	141	
			Reset animation	142	143	
			Reset animation rotation	144	145	
			Reset blade 1 positon	146	147	
			Reset blade 1 rot	148	149	
			Reset blade 2 positon	150	151	
			Reset blade 2 rot	152	153	
			Reset blade 3 positon	154	155	
			Reset blade 3 rot	156	157	
			Reset blade 4 positon	158	159	
			Reset blade 4 rot	160	161	
			Reset frame rot	162	163	
			Reserved	164	251	
Factory default of control functions	252	253				
Reserved	254	255				