DMX CHARTS

RDM Personality ID List

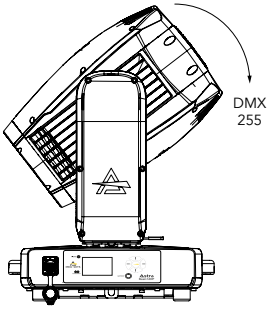
ID	DMX Mode	Footprint
1	STANDARD	18

RDM Model ID

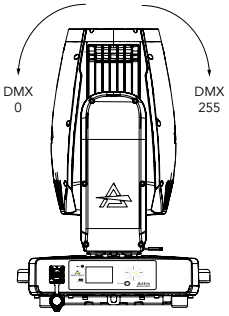
0xA044

PAN/TILT POSITION RELATED TO DMX VALUES

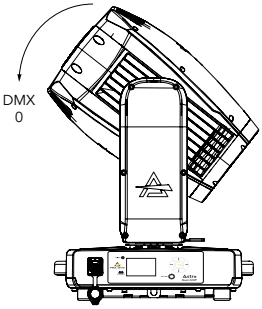
Pan = 0
Tilt = 0



Pan = 0
Tilt = 128

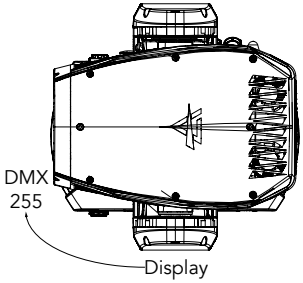


Pan = 0
Tilt = 255

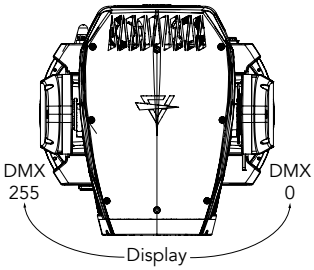


Tilt movement range: 260°
Pan movement range: 540°

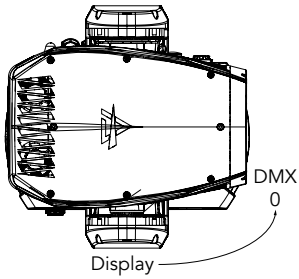
Pan = 0
Tilt = 42



Pan = 128
Tilt = 42



Pan = 255
Tilt = 42



DMX Chart Summary

DMX MODE **STANDARD 18 ch**	**Function**
1	Pan
2	Pan fine
3	Tilt
4	Tilt fine
5	Dimmer
6	Dimmer Fine
7	Shutter
8	Color Wheel
9	Fixed Gobo
10	Animation Rotation
11	FX Wheel A
12	Prism Wheel A Rotation
13	FX Wheel B
14	Prism Wheel B Rotation
15	Focus
16	Focus Fine
17	SafeZone Settings
18	Control

DMX MODE **STANDARD 18 ch**	**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	Color Wheel	Color Positioning			0
		Open	0		
		Open + Red	1	5	
		Red	6		
		Red + Deep purple	7	11	
		Deep purple	12		
		Deep purple + Yellow	13	17	
		Yellow	18		
		Yellow + Velvet green	19	23	
		Velvet green	24		
		Velvet green + Magenta	25	29	
		Magenta	30		
		Magenta + Blue	31	35	
		Blue	36		
		Blue + Orange	37	41	
		Orange	42		
		Orange + Green	43	47	
		Green	48		
		Green + Dark amber	49	53	
		Dark amber	54		
		Dark amber + Pink	55	59	
		Pink	60		
		Pink + Arctic lime	61	65	
		Arctic lime	66		
		Arctic lime + Light blue	67	71	
		Light blue	72		
		Light blue + Light red	73	77	
		Light red	78		

DMX MODE STANDARD 18 ch	Name	Function	DMX FROM	DMX TO	Default
8	Color Wheel	Color Positioning			
		Light red + Aquamarine	79	83	0
		Aquamarine	84		
		Aquamarine + Tropical violet	85	89	
		Tropical violet	90		
		Tropical violet + Dark green	91	95	
		Dark green	96		
		Dark green + Slate blue	97	101	
		Slate blue	102		
		Slate blue + Amber	103	107	
		Amber	108		
		Amber + Minus green 1/2	109	113	
		Minus green 1/2	114		
		Minus green 1/2 + CTB 1/2	115	119	
		CTB 1/2	120		
		CTB 1/2 + CTB 1/4	121	125	
		CTB 1/4	126		
		CTB 1/4 + CTB	127	131	
		CTB	132		
		CTB + CTO	133	137	
		CTO	138		
		CTO + Congo blue	139	143	
		Congo blue	144		
		Congo blue + Open	145	149	
		Open	150	159	
		Color Slot			
		Open	160	160	0
		Red	161	161	
		Deep purple	162	162	
		Yellow	163	163	
		Velvet green	164	164	
		Magenta	165	165	
		Blue	166	166	
		Orange	167	167	
		Green	168	168	
		Dark amber	169	169	
		Pink	170	170	
		Arctic lime	171	171	
		Light blue	172	172	
		Light red	173	173	
		Aquamarine	174	174	
		Tropical violet	175	175	
		Dark green	176	176	
		Slate blue	177	177	
		Amber	178	178	

DMX MODE **STANDARD 18 ch**	**Name**	**Function**	**DMX**		**Default**
			FROM	**TO**	
8	Color Wheel	Color Positioning			
		Minus green 1/2	179	179	0
		CTB 1/2	180	180	
		CTB 1/4	181	181	
		CTB	182	182	
		CTO	183	183	
		Congo blue	184	199	
		Color Wheel Rotation			
		No rotation	225	230	
		Backwards rainbow - Slow to fast	231	255	
9	Fixed Gobo	Open	0	2	0
		Animation insertion	3	16	
		Gobo selection			
		Open	17	19	0
		GOBO 1	20	20	
		GOBO 2	21	21	
		GOBO 3	22	22	
		GOBO 4	23	23	
		GOBO 5	24	24	
		GOBO 6	25	25	
		GOBO 7	26	26	
		GOBO 8	27	27	
		GOBO 9	28	28	
		GOBO 10	29	29	
		GOBO 11	30	30	
		GOBO 12	31	31	
		GOBO 13	32	32	
		GOBO 14	33	33	
		GOBO 15	34	34	
		GOBO 16	35	35	
		GOBO 17	36	36	
		GOBO 18	37	37	
		GOBO 19	38	38	
		GOBO 20	39	39	
		GOBO 21	40	40	
		GOBO 22	41	41	
		GOBO 23	42	42	
		GOBO 24	43	43	
		GOBO 25	44	44	
		GOBO 26	45	45	
		GOBO 27	46	46	
		GOBO 28	47	47	
		GOBO 29 (Wide Open)	48	48	

DMX MODE **STANDARD 18 ch**	**Name**	**Function**	**DMX**		**Default**
			FROM	**TO**	
9	Fixed Gobo	Gobo shaking - Slow to fast			
		GOBO 1	49	53	
		GOBO 2	54	58	
		GOBO 3	59	63	
		GOBO 4	64	68	
		GOBO 5	69	73	
		GOBO 6	74	78	
		GOBO 7	79	83	
		GOBO 8	84	88	
		GOBO 9	89	93	
		GOBO 10	94	98	
		GOBO 11	99	103	
		GOBO 12	104	108	
		GOBO 13	109	113	
		GOBO 14	114	118	
		GOBO 15	119	123	0
		GOBO 16	124	128	
		GOBO 17	129	133	
		GOBO 18	134	138	
		GOBO 19	139	143	
		GOBO 20	144	148	
		GOBO 21	149	153	
		GOBO 22	154	158	
		GOBO 23	159	163	
		GOBO 24	164	168	
		GOBO 25	169	173	
		GOBO 26	174	178	
		GOBO 27	179	183	
		GOBO 28	184	188	
		GOBO 29 (Wide Open)	189	193	
		Gobo Wheel Rotation			
		Forward wheel rotation - Fast to slow	194	223	
		No rotation	224	225	0
		Backwards wheel rotation - Slow to fast	226	255	
10	Animation Rotation	This channel works only with animation inserted			
		Indexing	0	127	
		Forward rotation - Fast to slow	128	190	
		Stop	191	192	
		Backwards rotation - Slow to fast	193	255	
11	FX Wheel A	Open	0	29	0
		Prism Indexing (set next ch)			
		Prism A.1	30	49	
		Prism A.2	50	69	0
		Prism A.3	70	89	

DMX MODE STANDARD 18 ch	Name	Function	DMX FROM	DMX TO	Default
11	FX Wheel A	Prism Rotation (set next ch)			
		Prism A.1	90	109	0
		Prism A.2	110	129	
		Prism A.3	130	149	
		Frost			
		Frost A.1	150	255	
12	Prism Wheel A Rotation	Prism Rotation (set next ch)			
		Prism Indexing	0	255	0
		Gobo Wheel Rotation			
		Prism No Rotation	0	0	0
		Prism forward rotation fast to slow	1	127	
		Prism No Rotation	128	128	
		Prism backwards rotation slow to fast	129	255	
13	FX Wheel B	Open	0	29	0
		Prism Indexing (set next ch)			
		Prism B.1	30	49	0
		Prism B.2	50	69	
		Prism B.3	70	89	
		Prism Rotation (set next ch)			
		Prism B.1	90	109	0
		Prism B.2	110	129	
		Prism B.3	130	149	
		Frost			
		Frost B.1	150	255	
14	Prism Wheel B Rotation	Prism Indexing			
		Prism Indexing	0	255	0
		Prism Rotation			
		Prism No Rotation	0	0	0
		Prism forward rotation fast to slow	1	127	
		Prism No Rotation	128	128	
		Prism backwards rotation slow to fast	129	255	
15	Focus	Focus adjustment	0	255	128
16	Focus Fine	Fine focusing	0	255	0
17	SafeZone Settings	No Function/Safe	0	19	
		Save bottom left point	20	49	
		Save bottom right point	50	79	
		Save top left point	80	109	
		Save top right point	110	139	
		SafeZone Save Area A	140	169	
		SafeZone Save Area B	170	199	
		Reserved	200	255	

DMX MODE **STANDARD 18 ch**	**Name**	**Function**	**DMX**		**Default**
			FROM	**TO**	
18	Control	No Function/Safe	0	1	
		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	
		PAN/TILT MODE ULTRA FAST	16	17	
		Reserved	18	39	
		DISPLAY ON	40	41	
		DISPLAY 10S	42	43	
		DISPLAY 20S	44	45	
		DISPLAY 30S	46	47	
		FLIP DISPLAY ON	48	49	
		FLIP DISPLAY OFF	50	51	
		FLIP DISPLAY AUTO	52	53	
		KEY LOCK ON	54	55	
		KEY LOCK OFF	56	57	
		FAN MODE AUTO	58	59	
		FAN MODE SILENT	60	61	
		FAN MODE HIGH	62	63	
		NO SIGNAL HOLD	64	65	0
		NO SIGNAL BLACKOUT	66	67	
		STATUS LED ON	68	69	
		STATUS LED OFF	70	71	
		DIMMER CURVE LINEAR	72	73	
		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	
		SOURCE FREQUENCY 600HZ	88	89	
		SOURCE FREQUENCY 1200HZ	90	91	
		SOURCE FREQUENCY 2000HZ	92	93	
		SOURCE FREQUENCY 4000HZ	94	95	
		SOURCE FREQUENCY 6000HZ	96	97	
		SOURCE FREQUENCY 25KHZ	98	99	
		SOURCE FREQUENCY 50KHZ	100	101	
		Reserved	102	105	
		RESET ALL	106	107	
		RESET PAN/TILT	108	113	
		RESET COLORS	114	123	

DMX MODE **STANDARD 18 ch**	**Name**	**Function**	**DMX**		**Default**
			FROM	**TO**	
18	Control	RESET GOBOS/ANIMATION	124	129	0
		RESET FOCUS	130	133	
		RESET FXs	134	139	
		Reserved	140	199	
		SafeZone Saving Enable	200	201	
		SafeZone A Enable	202	203	
		SafeZone B Enable	204	205	
		SafeZone Disabled	206	207	
		Reserved	208	251	
		FACTORY DEFAULT OF CONTROL FUNCTIONS	252	253	
		Reserved	254	255	