

# ELATION PROTEUS BRUTUS FS - DMX TRAITS

Features subject to change without notice

MODE/CHANNEL		VALUE	FUNCTION	FADE STATUS	DEFAULT VALUE	
STANDARD (27)	EXTENDED (36)					
1	1	0-255	<b>Pan</b>		127	
			Left → Right			
2	2	0-255	<b>Pan Fine</b>		127	
			Fine Position			
3	3	0-255	<b>Tilt</b>		127	
			Forward → Backward			
4	4	0-255	<b>Tilt Fine</b>		127	
			Fine Position			
5	5	0-255	<b>Cyan</b>		0	
			Cyan( 0 → 100%)			
	6	0-255	<b>Cyan Fine</b>		0	
			Fine Saturation			
6	7	0-255	<b>Magenta</b>		0	
			Magenta( 0 → 100%)			
	8	0-255	<b>Magenta Fine</b>		0	
			Fine Saturation			
7	9	0-255	<b>Yellow</b>		0	
			Yellow( 0 → 100%)			
	10	0-255	<b>Yellow Fine</b>		0	
			Fine Saturation			
8	11	0-255	<b>CTO</b>		0	
			Cold → Warm			
	12	0-255	<b>CTO Fine</b>		0	
			Fine Saturation			
9	13	0-255	<b>CRI</b>		0	
			OPEN → CRI			
	14	0-255	<b>CRI Fine</b>		0	
			Fine			
10	15		<b>Rotating Gobo</b>		0	
			0-9			Open
			10-19			Gobo 1
			20-29			Gobo 2
			30-39			Gobo 3
			40-49			Gobo 4
			50-59			Gobo 5
			60-255			Idle
11	16		<b>Rotating Gobo Index/ Rotation</b>		0	
			0-127			Index Position
						<b>Rotate</b>
			128-189			Clockwise Fast → Slow
			190-193			Stop
194-255	Counter-clockwise Slow → Fast					
12	17	0-255	<b>Rotating Gobo Index/ Rotation Fine</b>		127	
			Index Position			
13	18	0-255	<b>Focus</b>		127	
			Infinity → Near			
14	19	0-255	<b>Focus Fine</b>		127	
			Fine Adjustment			

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STANDARD (27)	EXTENDED (36)				
15	20	0-255	<b>Zoom</b> Narrow → Wide		127
16	21	0-255	<b>Zoom Fine</b> Fine Adjustment		127
	22		<b>Auto Focus</b>		0
		0-4	Auto Focus Off		
		5-7	5.0m		
		8-10	5.2m		
		11-13	5.4m		
		14-16	5.6m		
		17-19	5.8m		
		20-22	6.0m		
		23-25	6.3m		
		26-28	6.5m		
		29-31	6.8m		
		32-34	7.0m		
		35-37	7.3m		
		38-40	7.5m		
		41-43	7.7m		
		44-46	8.0m		
		47-49	8.3m		
		50-52	8.5m		
		53-55	8.7m		
		56-58	9.0m		
		59-61	9.3m		
		62-64	9.5m		
		65-67	9.8m		
		68-70	10.0m		
		71-73	10.5m		
		74-76	11.0m		
		77-79	11.5m		
		80-82	12.0m		
		83-85	12.5m		
		86-88	13.0m		
		89-91	13.5m		
		92-94	14.0m		
		95-97	14.5m		
		98-100	15.0m		
		101-103	15.5m		
		104-106	16.0m		
		107-109	16.5m		
		110-112	17.0m		

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STANDARD (27)	EXTENDED (36)				
			<b>Auto Focus</b>		
		113-115	17.5m		
		116-118	18.0m		
		119-121	18.5m		
		122-124	19.0m		
		125-127	19.5m		
		128-130	20.0m		
		131-133	22.0m		
		134-136	24.0m		
		137-139	26.0m		
		140-142	28.0m		
		143-145	30.0m		
		146-148	32.0m		
		149-151	34.0m		
		152-154	36.0m		
		155-157	38.0m		
		158-160	40.0m		
		161-163	42.0m		
		164-166	44.0m		
	22	167-169	46.0m		0
		170-172	48.0m		
		173-175	50.0m		
		176-178	52.0m		
		179-181	54.0m		
		182-184	56.0m		
		185-187	58.0m		
		188-190	60.0m		
		191-193	62.0m		
		194-196	64.0m		
		197-199	66.0m		
		200-202	68.0m		
		203-205	70.0m		
		206-208	72.0m		
		209-211	74.0m		
		212-214	76.0m		
		215-217	78.0m		
		218-220	80.0m		
		221-223	90.0m		
		224-255	Idle		
	23	0-255	<b>AutoFocus Fine</b> Fine Adjustment		

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STANDARD (27)	EXTENDED (36)					
17	24		<b>Shutter/Strobe</b>	X	0	
		0-31	Open			
		32-63	Closed			
		64-95	Strobe Slow → Fast			
		96-127	Open			
		128-159	Pulse-effect			
		160-191	Open			
		192-223	Random strobe Slow → Fast			
	224-255	Open				
18	25	0-255	<b>Dimmer</b> Intensity 0 → 100%			
19	26	0-255	<b>Dimmer Fine</b> Fine Adjustment			
20	27		<b>Dim Modes</b>			
		0-20	Standard			
		21-40	Stage			
		41-60	TV			
		61-80	Architectural			
		81-100	Theatre			
		101- 120	Stage 2			
						<b>Dimmer Delay Time</b>
		121	0s			
		122	0.1s			
		123	0.2s			
		124	0.3s			
		125	0.4s			
		126	0.5s			
		127	0.6s			
		128	0.7s			
		129	0.8s			
		130	0.9s			
		131	1.0s			
		132	1.5s			
		133	2.0s			
		134	3.0s			
		135	4.0s			
136	5.0s					
137	6.0s					
138	7.0s					
139	8.0s					
140	9.0s					
141	10s					
	142 - 255	Idle				
21	28	0-255	<b>Iris</b> Open → Close		0	
	29	0-255	<b>Iris Fine</b> Fine Adjustment		0	
22	30	0-255	<b>Frost1</b> Open → Max		0	
23	31	0-255	<b>Flat Field</b> Open → Max		0	

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MODE/CHANNEL		VALUE	FUNCTION	FADE STATUS	DEFAULT VALUE
STANDARD (27)	EXTENDED (36)				
24	32		<b>Beam Mode</b>	X	0
		0-63	Disabled		
		64-127	Long Throw		
		128-255	Ultra Long Throw		
25	33	0-255	<b>Pan Acceleration</b> Fast → Slow	X	0
26	34	0-255	<b>Tilt Acceleration</b> Fast → Slow	X	0
27	35		<b>Pan / Tilt Speed</b>	X	0
		0-225	Max → Min Speed		
		226-235	Blackout by movement		
		236-245	Blackout by wheel changes		
		246-255	No function		
	36		<b>Control</b>	X	0
		0-9	Idle		
			<b>Dynamic Iris</b>		
		10-14	Automatic		
		15-19	Intensity Limit 90%		
		20-24	Intensity Limit 70%		
		25-30	Intensity Limit 60%		
		31-39	Idle		
			<b>Fan Mode</b>		
		40-44	Mute		
		45-49	Studio		
		50-59	Low		
		60-69	High		
		70-79	Auto (default)		
			<b>Reset</b>		
		80-84	Fixture		
		85-87	Pan Tilt		
		88-90	Color		
		91-93	Idle		
		94-96	Focus Zoom		
		97-99	Other Features		
			<b>Refresh Rate (Hz)</b>		
		100	900		
		101	910		
		102	920		
		103	930		
		104	940		
		105	950		
106	960				
107	970				
108	980				
109	990				
110	1000				
111	1010				
112	1020				
113	1030				
114	1040				

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STANDARD (27)	EXTENDED (36)				
		115	1050		
		116	1060		
		117	1070		
		118	1080		
		119	1090		
		120	1100		
		121	1110		
		122	1120		
		123	1130		
		124	1140		
		125	1150		
		126	1160		
		127	1170		
		128	1180		
		129	1190		
		130	<b>1200</b> (default)		
		131	1210		
		132	1220		
		133	1230		
		134	1240		
		135	1250		
		136	1260		
		137	1270		
		138	1280		
	36	139	1290		
		140	1300		
		141	1310		
		142	1320		
		143	1330		
		144	1340		
		145	1350		
		146	1360		
		147	1370		
		148	1380		
		149	1390		
		150	1400		
		151	1410		
		152	1420		
		153	1430		
		154	1440		
		155	1450		
		156	1460		
		157	1470		
		158	1480		
		159	1490		
		160	1500		
		161	2500		
		162	4000		

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STANDARD (27)	EXTENDED (36)				
		163	5000		
		164	6000		
		165	10000		
		166	15000		
		167	20000		
		168	25000		
		169-170	Cmy Smooth		
		171-172	Cmy Fast		
		173-174	Hibernation Off		
		175-176	Hibernation		
		177-178	Sun Protection On		
		179-180	Sun Protection Off		
	36	181-182	Pan Tilt Speed Smooth	X	0
		183-184	Pan Tilt Speed Fast		
		185-186	Pan Tilt Brake Smooth		
		187-188	Pan Tilt Brake Fast		
		189-200	Idle		
			<b>Dimmer Curve</b>		
		201-210	Linear		
		211-220	Square		
		221-230	Inverse Square		
		231-240	S-Curve		
		241-249	Idle		
		250-251	Display Off		
		252-253	Display On		
		254-255	Idle		