



Mode/Channel				Channel Name	DMX	Function
181CH	149CH	79CH	15CH			
1	1	1	1	Dimmer	0-255	0-100%
2	2			Dimmer 16bit	0-255	0-100%
3	3	2	2	Strobe	0-19	off
					20-24	on
					25-64	strobe 1, fast to slow
					65-69	on
					70-84	strobe 2 (fast on, slow off), fast to slow
					85-89	on
					90-104	strobe 3 (slow on, fast off), fast to slow
					105-109	on
					110-124	strobe 4 (random), fast to slow
					125-129	on
					130-144	strobe 5 (random fast on, slow off), fast to slow
					145-149	on
					150-164	strobe 6 (random slow on, fast off), fast to slow
					165-169	on
					170-184	strobe 7 (pulse strobe), fast to slow
					185-189	on
190-204	strobe 8 (random pulse strobe), fast to slow					
205-209	on					
210-224	strobe 9 (fade), fast to slow					
225-229	on					
230-244	strobe 10 (pulse strobe), fast to slow					
245-255	on					
4	4	3	3	CTC	0	no function
					1-255	from 19000K to 2700K
5	5	4	4	Color	0	no function
					1-2	2700K(R=156, G=118, B=0, W=63)
					3-4	3200K(R=156, G=141, B=5, W=89)
					5-6	4200K(R=156, G=141, B=14, W=255)
					7-8	5600K(R=156, G=207, B=54, W=255)
					9-10	8000K(R=130, G=255, B=96, W=255)
					11	Blue (R=0, G=0, B=255, W=0)
					12-48	R=0, G+, B=255, W=0
					49	Cyan (R=0, G=255, B=255, W=0)
					50-86	R=0, G=255, B-, W=0
					87	Green (R=0, G=255, B=0, W=0)
					88-124	R+, G=255, B=0, W=0
					125	Yellow (R=255, G=255, B=0, W=0)
					126-162	R=255, G-, B=0, W=0
					163	Red (R=255, G=0, B=0, W=0)
					164-200	R=255, G=0, B+, W=0
201	Magenta (R=255, G=0, B=255, W=0)					
202-238	R-, G=0, B=255, W=0					
239	Blue (R=0, G=0, B=255, W=0)					
240-247	Color fade, fast to slow					
248-255	Color jump, fast to slow					
6	6	5	5	Pattern	0	no function
					1	pattern 1
					2	pattern 2
					3	pattern 3
					4	.
					253	pattern 253



Mode/Channel				Channel Name	DMX	Function
181CH	149CH	79CH	15CH			
6	6	5	5	Pattern	254	pattern 254
					255	pattern 255
7	7	6	6	LED built-in	0-15	no function
					16-17	LED built-in 1
					18-19	LED built-in 2
					20-21	LED built-in 3
					.	.
					.	.
					.	.
					128-129	LED built-in 57
					130-131	LED built-in 58
					132-133	LED built-in 59
					134-135	LED built-in 60 (main built-in)
					136-137	LED built-in 61
					138-139	LED built-in 62
					140-141	LED built-in 63
					.	.
					.	.
					248-249	LED built-in 117
250-251	LED built-in 118					
252-253	LED built-in 119					
254-255	LED built-in 120 (main built-in)					
8	8	7	7	LED built-in speed	0-127	fast to slow
					128	stop
					129-255	reverse slow to fast
9	9	8	8	LED built-in delay	0-255	fast to slow
10	10	9	9	Background color	0	no function
					1-2	2700K(R=156, G=118, B=0, W=63)
					3-4	3200K(R=156, G=141, B=5, W=89)
					5-6	4200K(R=156, G=141, B=14, W=255)
					7-8	5600K(R=156, G=207, B=54, W=255)
					9-10	8000K(R=130, G=255, B=96, W=255)
					11	Blue (R=0, G=0, B=255, W=0)
					12-48	R=0, G+, B=255, W=0
					49	Cyan (R=0, G=255, B=255, W=0)
					50-86	R=0, G=255, B-, W=0
					87	Green (R=0, G=255, B=0, W=0)
					88-124	R+, G=255, B=0, W=0
					125	Yellow (R=255, G=255, B=0, W=0)
					126-162	R=255, G-, B=0, W=0
					163	Red (R=255, G=0, B=0, W=0)
					164-200	R=255, G=0, B+, W=0
					201	Magenta (R=255, G=0, B=255, W=0)
202-238	R-, G=0, B=255, W=0					
239	Blue (R=0, G=0, B=255, W=0)					
240-247	Color fade, fast to slow					
248-255	Color jump, fast to slow					
11	11	10	10	Background color dir	0-255	0-100%
12	12			Background color dir	0-255	0-100%
13	13	11	11	Control	0-9	no function
					10-14	reserved
					15-19	reserved



Mode/Channel				Channel Name	DMX	Function
181CH	149CH	79CH	15CH			
13	13	11	11	Control	20-24	color mixing RGBW
					25-29	color mixing CMY
					30-34	reserved
					35-39	reserved
					40-44	reserved
					45-49	reserved
					50-54	reserved
					55-59	reserved
					60-64	reserved
					65-69	reserved
					70-74	all reset
					75-79	zoom reset
					80-84	reserved
					85-89	reserved
					90-94	reserved
					95-99	reserved
					100-104	reserved
					105-109	reserved
					110-114	reserved
					115-119	reserved
					120-124	reserved
					125-129	reserved
					130-134	reserved
					135-139	dimmer fast mode
					140-144	dimmer smooth mode
					145-149	Linear curve
					150-154	Square curve
					155-159	I Square curve
160-164	Scurve					
165-169	white mode on					
170-174	white mode off					
175-239	reserved					
240-247	reserved					
248-255	reserved					
14	14	12	12	R(C) all	0-255	0-100%
15	15			R(C) all 16bit	0-255	0-100%
16	16	13	13	G(M) all	0-255	0-100%
17	17			G(M) all 16bit	0-255	0-100%
18	18	14	14	B(Y) all	0-255	0-100%
19	19			B(Y) all 16bit	0-255	0-100%
20	20	15	15	W all	0-255	0-100%
21	21			W all 16bit	0-255	0-100%
22				Dimmer 1	0-255	0-100%
23				Dimmer 1 16bit	0-255	0-100%
24	22	16		R(C)1	0-255	0-100%
25	23			R(C)1 16bit	0-255	0-100%
26	24	17		G(M)1	0-255	0-100%
27	25			G(M)1 16bit	0-255	0-100%
28	26	18		B(Y)1	0-255	0-100%
29	27			B(Y)1 16bit	0-255	0-100%
30	28	19		W1	0-255	0-100%
31	29			W1 16bit	0-255	0-100%
32				Dimmer 2	0-255	0-100%

TOUGH 500 S BAR



Mode/Channel				Channel Name	DMX	Function
181CH	149CH	79CH	15CH			
33				Dimmer 2 16bit	0-255	0-100%
34	30	20		R(C)2	0-255	0-100%
35	31			R(C)2 16bit	0-255	0-100%
36	32	21		G(M)2	0-255	0-100%
37	33			G(M)2 16bit	0-255	0-100%
38	34	22		B(Y)2	0-255	0-100%
39	35			B(Y)2 16bit	0-255	0-100%
40	36	23		#N/A	0-255	0-100%
41	37			W2 16bit	0-255	0-100%
					.	
					.	
					.	
					.	
172				Dimmer 16	0-255	0-100%
173				Dimmer 16 16bit	0-255	0-100%
174	142	76		R(C)16	0-255	0-100%
175	143			R(C)16 16bit	0-255	0-100%
176	144	77		G(M)16	0-255	0-100%
177	145			G(M)16 16bit	0-255	0-100%
178	146	78		B(Y)16	0-255	0-100%
179	147			B(Y)16 16bit	0-255	0-100%
180	148	79		W16	0-255	0-100%
181	149			W16 16bit	0-255	0-100%