



Mode/Channel					Channel Name	DMX	Function
186CH	154CH	84CH	20CH	19CH			
TOUR	Advanced	Standard	Basic	Basic2			
1	1	1	1	1	Tilt	0-255	0-200°
2	2	2	2	2	Tilt 16bit	0-255	16bit adjustable
3	3	3	3	3	pan/tilt speed	0-255	fast to slow
4	4	4	4	4	CTC	0	no function
						1-255	from 19000K to 2700K
5	5	5	5	5	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	6	6	6	Pattern	0	no function
						1	pattern 1
						2	pattern 2
						3	pattern 3
						.	.
						253	pattern 253
						254	pattern 254
						255	pattern 255
7	7	7	7	7	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	8	8	8	LED built-in speed	0-127	fast to slow
						128	stop

TOUGH 800 BAR-DMX

Single Mode



Mode/Channel					Channel Name	DMX	Function
186CH	154CH	84CH	20CH	19CH			
8	8	8	8	8	LED built-in speed	129-255	reverse slow to fast
9	9	9	9	9	LED built-in delay	0-255	fast to slow
10	10	10	10	10	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	11	11	11	Background color dimmer	0-255	0-100%
12	12				Background color dimmer 16bit	0-255	0-100%
13	13	12	12	12	Dimmer	0-255	0-100%
14	14				Dimmer 16bit	0-255	0-100%
15	15	13	13	13	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						
16	16	14	14	14	Zoom	0-255	from big to small
17	17	15	15		Zoom 1	0-255	from big to small
18	18	16	16	15	Control	0-9	no function
						10-14	pan/tilt blackout
						15-19	reserved
						20-24	color mixing RGBW
						25-29	color mixing CMY



Mode/Channel					Channel Name	DMX	Function
186CH	154CH	84CH	20CH	19CH			
18	18	16	16	15	Control	30-34	reserved
						35-39	reserved
						40-44	defrost fan on
						45-49	defrost fan off
						50-54	pan reset
						55-59	tilt reset
						60-64	zoom reset
						65-69	reserved
						70-74	all reset
						75-79	reserved
						80-84	reserved
						85-89	reserved
						90-94	tilt reverse enable
						95-99	reserved
						100-104	tilt reverse disable
						105-109	reserved
						110-114	reserved
						115-119	reserved
						120-124	fan ECO
						125-129	fan FULL
						130-134	fan AUTO
						135-139	dimmer fast mode
						140-144	dimmer smooth mode
						145-149	Linear curve
						150-154	Square curve
155-159	l Square curve						
160-164	Scurve						
165-169	white mode on						
170-174	white mode off						
175-239	reserved						
240-247	no function						
248-255	no function						
19	19	17	17	16	R(C) all	0-255	0-100%
20	20				R(C) all 16bit	0-255	0-100%
21	21	18	18	17	G(M) all	0-255	0-100%
22	22				G(M) all 16bit	0-255	0-100%
23	23	19	19	18	B(Y) all	0-255	0-100%
24	24				B(Y) all 16bit	0-255	0-100%
25	25	20	20	19	W all	0-255	0-100%
26	26				W all 16bit	0-255	0-100%
27					Dimmer 1	0-255	0-100%
28					Dimmer 1 16bit	0-255	0-100%
29	27	21			R(C)1	0-255	0-100%
30	28				R(C)1 16bit	0-255	0-100%
31	29	22			G(M)1	0-255	0-100%
32	30				G(M)1 16bit	0-255	0-100%
33	31	23			B(Y)1	0-255	0-100%
34	32				B(Y)1 16bit	0-255	0-100%
35	33	24			W1	0-255	0-100%
36	34				W1 16bit	0-255	0-100%
37					Dimmer 2	0-255	0-100%
38					Dimmer 2 16bit	0-255	0-100%
39	35	25			R(C)2	0-255	0-100%
40	36				R(C)2 16bit	0-255	0-100%
41	37	26			G(M)2	0-255	0-100%
42	38				G(M)2 16bit	0-255	0-100%
43	39	27			B(Y)2	0-255	0-100%
44	40				B(Y)2 16bit	0-255	0-100%

TOUGH 800 BAR-DMX

Single Mode



Mode/Channel					Channel Name	DMX	Function
186CH	154CH	84CH	20CH	19CH			
45	41	28			#N/A	0-255	0-100%
46	42				W2 16bit	0-255	0-100%
.
.
.
.
177					Dimmer 16	0-255	0-100%
178					Dimmer 16 16bit	0-255	0-100%
179	147	81			R(C)16	0-255	0-100%
180	148				R(C)16 16bit	0-255	0-100%
181	149	82			G(M)16	0-255	0-100%
182	150				G(M)16 16bit	0-255	0-100%
183	151	83			B(Y)16	0-255	0-100%
184	152				B(Y)16 16bit	0-255	0-100%
185	153	84			W16	0-255	0-100%
186	154				W16 16bit	0-255	0-100%

TOUGH 800 BAR-DMX

Dual Mode movement section



Mode/Channel				Channel Name	DMX	Function
26CH	20CH	8CH	7CH			
Advanced	Standard	Basic	Basic2			
1	1	1	1	Tilt	0-255	0-200°
2	2	2	2	Tilt 16bit	0-255	16bit adjustable
3	3	3	3	pan/tilt speed	0-255	fast to slow
4	4			CTC	0	no function
				CTC	1-255	from 19000K to 2700K
5	5			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			Pattern	0	no function
					1	pattern 1
					2	pattern 2
					3	pattern 3
					.	.
					253	Pattern 214
					254	Pattern 215
255	no function					
7	7			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 34
					130-131	LED built-in 35
					132-133	LED built-in 36
					134-135	LED built-in 37 (main built-in)
					136-137	LED built-in 38
					138-139	LED built-in 39
					140-141	LED built-in 40
					.	.
.	.					
.	.					
248-249	LED built-in 71					
250-251	LED built-in 72					

TOUGH 800 BAR-DMX

Dual Mode movement section



Mode/Channel				Channel Name	DMX	Function
26CH	20CH	8CH	7CH			
7	7			LED built-in	252-253	LED built-in 73
					254-255	LED built-in 74 (main built-in)
8	8			LED built-in speed	0-127	fast to slow
					128	stop
					129-255	reverse slow to fast
9	9			LED built-in delay	0-255	fast to slow
10	10			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			Background color dimmer	0-255	0-100%
12				Background color dimmer 16bit	0-255	0-100%
13	12	4	4	Dimmer	0-255	0-100%
14				Dimmer 16bit	0-255	0-100%
15	13	5	5	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					

TOUGH 800 BAR-DMX

Dual Mode movement section



Mode/Channel				Channel Name	DMX	Function
26CH	20CH	8CH	7CH			
15	13	5	5	Strobe	245-255	on
16	14	6	6	Zoom	0-255	from big to small
17	15	7		Zoom 1	0-255	from big to small
18	16	8	7	Control	0-9	no function
					10-14	pan/tilt blackout
					15-19	reserved
					20-24	color mixing RGBW
					25-29	color mixing CMY
					30-34	reserved
					35-39	reserved
					40-44	defrost fan on
					45-49	defrost fan off
					50-54	pan reset
					55-59	tilt reset
					60-64	zoom reset
					65-69	reserved
					70-74	all reset
					75-79	reserved
					80-84	reserved
					85-89	reserved
					90-94	tilt reverse enable
					95-99	reserved
					100-104	tilt reverse disable
					105-109	reserved
					110-114	reserved
					115-119	reserved
120-124	fan ECO					
125-129	fan FULL					
130-134	fan AUTO					
135-139	dimmer fast mode					
140-144	dimmer smooth mode					
145-149	Linear curve					
150-154	Square curve					
155-159	l Square curve					
160-164	Scurve					
165-169	white mode on					
170-174	white mode off					
175-239	reserved					
240-247	no function					
18	16	8	7	Control	248-255	no function
19	17			R(C) all	0-255	0-100%
20				R(C) all 16bit	0-255	0-100%
21	18			G(M) all	0-255	0-100%
22				G(M) all 16bit	0-255	0-100%
23	19			B(Y) all	0-255	0-100%
24				B(Y) all 16bit	0-255	0-100%
25	20			W all	0-255	0-100%
26				W all 16bit	0-255	0-100%

TOUGH 800 BAR-DMX

Dual Mode LED section



Mode/Channel			Channel Name	DMX	Function
128CH	64CH	48CH			
Advanced	Standard	Basic			
1	1	1	R(C)1	0-255	0-100%
2			R(C)1 16bit	0-255	0-100%
3	2	2	G(M)1	0-255	0-100%
4			G(M)1 16bit	0-255	0-100%
5	3	3	B(Y)1	0-255	0-100%
6			B(Y)1 16bit	0-255	0-100%
7	4		W1	0-255	0-100%
8			W1 16bit	0-255	0-100%
9	5	4	R(C)2	0-255	0-100%
10			R(C)2 16bit	0-255	0-100%
11	6	5	G(M)2	0-255	0-100%
12			G(M)2 16bit	0-255	0-100%
13	7	6	B(Y)2	0-255	0-100%
14			B(Y)2 16bit	0-255	0-100%
15	8		W2	0-255	0-100%
16			W2 16bit	0-255	0-100%
.			.		
.			.		
.			.		
.			.		
121	61	46	R(C)16	0-255	0-100%
122			R(C)16 16bit	0-255	0-100%
123	62	47	G(M)16	0-255	0-100%
124			G(M)16 16bit	0-255	0-100%
125	63	48	B(Y)16	0-255	0-100%
126			B(Y)16 16bit	0-255	0-100%
127	64		#N/A	0-255	0-100%
128			W16 16bit	0-255	0-100%