

# TOUGH 950 WASH-DMX

Single Mode



Mode/Channel					Channel Name	DMX	Function
327CH	265CH	145CH	39CH	33CH			
TOUR	Advanced	Standard	Basic2	Basic			
1	1	1	1	1	Pan	0-255	0-540
2	2	2	2	2	Pan 16bit	0-255	16bit adjustable
3	3	3	3	3	Tilt	0-255	0-270
4	4	4	4	4	Tilt 16bit	0-255	16bit adjustable
5	5	5	5	5	Pan/Tilt speed	0-255	fast to slow
6	6	6	6	6	CTC (ring)	0	no function
						1-255	from 19000K to 2700K
7	7	7	7	7	CTC (center)	0	no function
						1-255	from 19000K to 2700K
8	8	8	8	8	color (ring)	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						
9	9	9	9	9	color 2 (center)	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						
10	10	10	10	10	Pattern	0-4	no function
						5	color 1
						6	color 2
						7	color 3
						.	.
						253	pattern 249
						254	pattern 250
255	pattern 251						

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Single Mode



Mode/Channel					Channel Name	DMX	Function
327CH	265CH	145CH	39CH	33CH			
11	11	11	11	11	pattern 2 center	0	no function
						1	pattern 1
						2	pattern 2
						3	pattern 3
						.	.
						253	pattern 253
						254	pattern 254
12	12	12	12	12	LED built-in (ring)	0-5	no function
						6-10	LED built-in 1
						11-15	LED built-in 2
						16-20	LED built-in 3
						.	.
						.	.
						.	.
						151-155	LED built-in 30
						156-160	LED built-in 31
						161-165	LED built-in 32
						166-170	LED built-in 33
						171-175	LED built-in 34
						176-180	LED built-in 35
						181-185	LED built-in 36
						186-190	LED built-in 37
						191-195	LED built-in 38
						196-200	LED built-in 39
201-205	LED built-in 40						
206-210	LED built-in 41						
211-215	LED built-in 42						
216-255	no function						
13	13	13	13	13	LED built-in speed	0-127	fast to slow
						128	stop
						129-255	reverse slow to fast
14	14	14	14	14	LED built-in delay	0-255	fast to slow
15	15	15	15	15	LED built-in 2 (center)	0-15	no function
						16	LED built-in 1
						17	LED built-in 2
						18	LED built-in 3
						.	.
						.	.
						.	.
						114	LED built-in 99
						115	LED built-in 100
						116	LED built-in 101
						117-135	LED built-in 102 (main built-in)
						136	LED built-in 103
						137	LED built-in 104
						138	LED built-in 105
						.	.
						.	.
						.	.
234	LED built-in 201						
235	LED built-in 202						
236	LED built-in 203						
237-255	LED built-in 204 (main built-in)						
16	16	16	16	16	LED built-in 2 (center) speed	0-127	fast to slow
						128	stop
						129-255	reverse slow to fast
17	17	17	17	17	LED built-in 2 (center) delay	0-255	fast to slow

# TOUGH 950 WASH-DMX

Single Mode



Mode/Channel					Channel Name	DMX	Function
327CH	265CH	145CH	39CH	33CH			
18	18	18	18	18	background color (ring)	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						
19	19	19	19	19	Background color dimmer	0-255	0-100%
20	20				Background color dir	0-255	0-100%
21	21	20	20	20	background color 2 (	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						
22	22	21	21	21	background color 2 (	0-255	0-100%
23	23				background color 2 (	0-255	0-100%
24	24	22	22	22	Dimmer 1 (ring)	0-255	0-100%
25	25		23		Dimmer 1 (ring) 16bit	0-255	0-100%
26	26	23	24	23	Dimmer 2 (center)	0-255	0-100%
27	27		25		Dimmer 2 (center) 16bit	0-255	0-100%
28	28	24	26	24	strobe 1 (ring)	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						

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Single Mode



Mode/Channel					Channel Name	DMX	Function
327CH	265CH	145CH	39CH	33CH			
28	28	24	26	24	strobe 1 (ring)	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
						29	29
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						
30	30	26	28	26	lens rotating	0-63	indexing
						64-95	lens small shaking, slow to fast
						96-127	lens big shaking, slow to fast
						128-191	lens rotating, fast to slow
						192-255	lens reverse rotating, fast to slow
31	31	27	29	27	lens rotating 16bit	0-255	lens rotating 16bit
32	32	28	30	28	Zoom	0-255	from small to big
33	33	29	31	29	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	combine channel enable
						35-39	combine channel disable
						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	pan reverse						
90-94	tilt reverse						

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Single Mode



Mode/Channel					Channel Name	DMX	Function
327CH	265CH	145CH	39CH	33CH			
33	33	29	31	29	Control	95-99	disable pan reverse
						100-104	disable tilt reverse
						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	no function
						150-154	Square curve
						155-159	I Square curve
						160-164	Scurve
						165-169	white mode
						170-174	full mode
						175-179	color calibration off when single color
						180-184	color calibration on when single color
185-239	no function						
240-247	color calibration on						
248-255	color calibration off						
34	34	30	32	30	R(C) all	0-255	0-100%
35	35		33		R(C) all 16bit	0-255	0-100%
36	36	31	34	31	G(M) all	0-255	0-100%
37	37		35		G(M) all 16bit	0-255	0-100%
38	38	32	36	32	B(Y) all	0-255	0-100%
39	39		37		B(Y) all 16bit	0-255	0-100%
40	40	33	38	33	W all	0-255	0-100%
41	41		39		W all 16bit	0-255	0-100%
42					dimmer 1	0-255	0-100%
43					Dimmer 1 16bit	0-255	0-100%
44	42	34			R(C)1	0-255	0-100%
45	43				R(C)1 16bit	0-255	0-100%
46	44	35			G(M)1	0-255	0-100%
47	45				G(M)1 16bit	0-255	0-100%
48	46	36			B(Y)1	0-255	0-100%
49	47				B(Y)1 16bit	0-255	0-100%
50					Dimmer 2	0-255	0-100%
51					Dimmer 2 16bit	0-255	0-100%
52	48	37			R(C)2	0-255	0-100%
53	49				R(C)2 16bit	0-255	0-100%
54	50	38			G(M)2	0-255	0-100%
55	51				G(M)2 16bit	0-255	0-100%
56	52	39			B(Y)2 16bit	0-255	0-100%
57	53					0-255	0-100%
						.	#N/A
						.	#N/A
						.	#N/A
						.	#N/A
130					dimmer 12	0-255	0-100%
131					dimmer 12 16bit	0-255	0-100%
132	108	67			R(C)12	0-255	0-100%
133	109				R(C)12 16bit	0-255	0-100%
134	110	68			G(M)12	0-255	0-100%
135	111				G(M)12 16bit	0-255	0-100%
136	112	69			B(Y)12	0-255	0-100%
137	113				B(Y)12 16bit	0-255	0-100%
138					dimmer 13	0-255	0-100%
139					dimmer 13 16bit	0-255	0-100%
140	114	70			R(C)13	0-255	0-100%

# TOUGH 950 WASH-DMX

Single Mode



Mode/Channel					Channel Name	DMX	Function
327CH	265CH	145CH	39CH	33CH			
141	115				R(C)13 16bit	0-255	0-100%
142	116	71			G(M)13	0-255	0-100%
143	117				G(M)13 16bit	0-255	0-100%
144	118	72			B(Y)13	0-255	0-100%
145	119				B(Y)13 16bit	0-255	0-100%
146	120	73			W13	0-255	0-100%
147	121				W13 16bit	0-255	0-100%
148					dimmer 14	0-255	0-100%
149					dimmer 14 16bit	0-255	0-100%
150	122	74			R(C)14	0-255	0-100%
151	123				R(C)14 16bit	0-255	0-100%
152	124	75			G(M)14	0-255	0-100%
153	125				G(M)14 16bit	0-255	0-100%
154	126	76			B(Y)14	0-255	0-100%
155	127				B(Y)14 16bit	0-255	0-100%
156	128	77			W14	0-255	0-100%
157	129				W14 16bit	0-255	0-100%
						.	
						.	
						.	
						.	
318					dimmer 31	0-255	0-100%
319					dimmer 31 16bit	0-255	0-100%
320	258	142			R(C)31	0-255	0-100%
321	259				R(C)31 16bit	0-255	0-100%
322	260	143			G(M)31	0-255	0-100%
323	261				G(M)31 16bit	0-255	0-100%
324	262	144			B(Y)31	0-255	0-100%
325	263				B(Y)31 16bit	0-255	0-100%
326	264	145			W31	0-255	0-100%
327	265				W31 16bit	0-255	0-100%

# TOUGH 950 WASH-DMX



## Dual Mode movement section

Mode/Channel			Channel Name	DMX	Function
47CH	36CH	13CH			
Advanced	Standard	Basic			
1	1	1	Pan	0-255	0-540
2	2	2	Pan 16bit	0-255	16bit adjustable
3	3	3	Tilt	0-255	0-270
4	4	4	Tilt 16bit	0-255	16bit adjustable
5	5	5	Pan/Tilt speed	0-255	fast to slow
6	6		CTC (ring)	0	no function
				1-255	from 19000K to 2700K
7	7		CTC (center)	0	no function
				1-255	from 19000K to 2700K
8	8		color (ring)	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				
9	9		color 2 (center)	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)

# TOUGH 950 WASH-DMX

Dual Mode movement section



Mode/Channel			Channel Name	DMX	Function
47CH	36CH	13CH			
9	9		color 2 (center)	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
10	10		Pattern	0-4	no function
				5	color 1
				6	color 2
				7	color 3
				.	.
				253	pattern 249
				254	pattern 250
				255	pattern 251
11	11		pattern 2 center	0	no function
				1	pattern 1
				2	pattern 2
				3	pattern 3
				.	.
				253	pattern 253
				254	pattern 254
				255	pattern 255
12	12		LED built-in (ring)	0-5	no function
				6-10	LED built-in 1
				11-15	LED built-in 2
				16-20	LED built-in 3
				.	.
				.	.
				.	.
				151-155	LED built-in 30
				156-160	LED built-in 31
				161-165	LED built-in 32
				166-170	LED built-in 33
				171-175	LED built-in 34
				176-180	LED built-in 35
				181-185	LED built-in 36
				186-190	LED built-in 37
				191-195	LED built-in 38
				196-200	LED built-in 39
				201-205	LED built-in 40
206-210	LED built-in 41				
211-215	LED built-in 42				
216-255	no function				
13	13		LED built-in speed	0-127	fast to slow
				128	stop
				129-255	reverse slow to fast
14	14		LED built-in delay	0-255	fast to slow
15	15		LED built-in 2 (center)	0-15	no function
				16	LED built-in 1
				17	LED built-in 2



# TOUGH 950 WASH-DMX

Dual Mode movement section



Mode/Channel			Channel Name	DMX	Function
47CH	36CH	13CH			
15	15	[Hatched]	LED built-in 2 (center)	18	LED built-in 3
				.	.
				.	.
				.	.
				114	LED built-in 99
				115	LED built-in 100
				116	LED built-in 101
				117-135	LED built-in 102 (main built-in)
				136	LED built-in 103
				137	LED built-in 104
				138	LED built-in 105
				.	.
				.	.
				.	.
				234	LED built-in 201
				235	LED built-in 202
				236	LED built-in 203
237-255	LED built-in 204 (main built-in)				
16	16	[Hatched]	LED built-in 2 (center) speed	0-127	fast to slow
				128	stop
				129-255	reverse slow to fast
17	17	[Hatched]	LED built-in 2 (center) delay	0-255	fast to slow
18	18	[Hatched]	background color (ring)	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				
19	19	[Hatched]	Background color dimmer	0-255	0-100%
20	[Hatched]	[Hatched]	Background color dimmer 16bit	0-255	0-100%

# TOUGH 950 WASH-DMX

Dual Mode movement section



Mode/Channel			Channel Name	DMX	Function
47CH	36CH	13CH			
21	20		background color 2 (center)	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				
22	21		background color 2 (center) dimmer	0-255	0-100%
23			background color 2 (center) dimmer	0-255	0-100%
24	22	6	Dimmer 1 (ring)	0-255	0-100%
25			Dimmer 1 (ring)	0-255	0-100%
26	23	7	Dimmer 2 (center)	0-255	0-100%
27			Dimmer 2 (center) 16bit	0-255	0-100%
28	24	8	strobe 1 (ring)	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				

# TOUGH 950 WASH-DMX



## Dual Mode movement section

Mode/Channel			Channel Name	DMX	Function
47CH	36CH	13CH			
28	24	8	strobe 1 (ring)	210-224	strobe 9 (fade), fast to slow
				225-229	on
				230-244	strobe 10 (pulse strobe), fast to slow
				245-255	on
29	25	9	strobe 2 (center)	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				
30	26	10	lens rotating	0-63	indexing
				64-95	lens small shaking, slow to fast
				96-127	lens big shaking, slow to fast
				128-191	lens rotating, fast to slow
				192-255	lens reverse rotating, fast to slow
31	27	11	lens rotating 16bit	0-255	lens rotating 16bit
32	28	12	Zoom	0-255	from big to small
33	29	13	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	combine channel enable
				35-39	combine channel disable
				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				

# TOUGH 950 WASH-DMX

Dual Mode movement section



Mode/Channel			Channel Name	DMX	Function
47CH	36CH	13CH			
33	29	13	Control	80-84	reserved
				85-89	pan reverse
				90-94	tilt reverse
				95-99	disable pan reverse
				100-104	disable tilt reverse
				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	no function
				150-154	Square curve
				155-159	l Square curve
				160-164	Scurve
				165-169	white mode
				170-174	full mode
				175-179	color calibration off when single color
180-184	color calibration on when single color				
185-239	no function				
240-247	no function				
248-255	no function				
34	30		R(C) ring	0-255	0-100%
35			R(C)ring 16bit	0-255	0-100%
36	31		R(C)center	0-255	0-100%
37			R(C)center 16bit	0-255	0-100%
38	32		G(M)ring	0-255	0-100%
39			G(M)ring 16bit	0-255	0-100%
40	33		G(M)center	0-255	0-100%
41			G(M)center 16bit	0-255	0-100%
42	34		B(Y)ring	0-255	0-100%
43			B(Y)ring 16bit	0-255	0-100%
44	35		B(Y)center	0-255	0-100%
45			B(Y)center 16bit	0-255	0-100%
46	36		Wcenter	0-255	0-100%
47			Wcenter 16bit	0-255	0-100%

# TOUGH 950 WASH-DMX

Dual Mode LED section



Mode/Channel			Channel Name	DMX	Function
224CH	112CH	93CH			
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	4	R(C)2	0-255	0-100%
8			R(C)2 16bit	0-255	0-100%
9	5	5	G(M)2	0-255	0-100%
10			G(M)2 16bit	0-255	0-100%
11	6	6	B(Y)2	0-255	0-100%
12			B(Y)2 16bit	0-255	0-100%
				.	
				.	
				.	
				.	
67	34	34	R(C)12	0-255	0-100%
68			R(C)12 16bit	0-255	0-100%
69	35	35	G(M)12	0-255	0-100%
70			G(M)12 16bit	0-255	0-100%
71	36	36	B(Y)12	0-255	0-100%
72			B(Y)12 16bit	0-255	0-100%
73	37	37	R(C)13	0-255	0-100%
74			R(C)13 16bit	0-255	0-100%
75	38	38	G(M)13	0-255	0-100%
76			G(M)13 16bit	0-255	0-100%
77	39	39	B(Y)13	0-255	0-100%
78			B(Y)13 16bit	0-255	0-100%
79	40		W13	0-255	0-100%
80			W13 16bit	0-255	0-100%
81	41	40	R(C)14	0-255	0-100%
82			R(C)14 16bit	0-255	0-100%
83	42	41	G(M)14	0-255	0-100%
84			G(M)14 16bit	0-255	0-100%
85	43	42	B(Y)14	0-255	0-100%
86			B(Y)14 16bit	0-255	0-100%
87	44		W14	0-255	0-100%
88			W14 16bit	0-255	0-100%
				.	
				.	
				.	
				.	
217	109	91	R(C)31	0-255	0-100%
218			R(C)31 16bit	0-255	0-100%
219	110	92	G(M)31	0-255	0-100%
220			G(M)31 16bit	0-255	0-100%
221	111	93	B(Y)31	0-255	0-100%
222			B(Y)31 16bit	0-255	0-100%
223	112		W31	0-255	0-100%
224			W31 16bit	0-255	0-100%