

# TOUGH 500 HYBRID-DMX

Advanced: 25CH Basic: 20CH



Mode/Channel		Channel Name	DMX	Function
25CH	20CH			
1	1	pan	0-255	0-540
2	2	Pan 16bit	0-255	16bit adjustable
3	3	Tilt	0-255	0-270
4	4	Tilt 16bit	0-255	16bit adjustable
5	5	Pan/Tilt speed	0-255	fast to slow
6	6	Dimmer	0-255	0-100%
7		Dimmer 16bit	0-255	16bit adjustable
8	7	Strobe	0-7	off
			8-15	on
			16-131	synchronized strobe, slow to fast
			132-167	fast close slow open, slow to fast
			168-203	slow close fast open, slow to fast
			204-239	pulse strobe, slow to fast
			240-250	random strobe, slow to fast
251-255	on			
9	8	Color wheel	0-1	white
			2-5	color 1
			6-9	color 2
			10-13	color 10
			14-17	color 4
			18-21	color 5
			22-25	color 4
			26-29	color 9
			30-33	color 8
			34-37	color 2
			38-41	color 10
			42-45	color 11
			46-49	color 12
			50-59	color 8
			60-187	white
188-219	color scroll, fast to slow			
220-223	stop			
224-255	reverse gobo scroll, slow to fast			
10	9	Static gobo wheel	0-3	white
			4-6	gobo 1
			7-9	gobo 2
			10-12	gobo 3
			13-15	gobo 4
			16-18	gobo 5

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10	9	Static gobo wheel	19-21	gobo 6
			22-24	gobo 7
			25-27	gobo 8
			28-30	gobo 9
			31-33	gobo 10
			34-36	gobo 11
			37-39	gobo 12
			40-42	gobo 13
			43-45	gobo 14
			46-48	gobo 15
			49-55	gobo 16
			56-59	white
			60-63	gobo 1 shaking, slow to fast
			64-67	gobo 2 shaking, slow to fast
			68-71	gobo 3 shaking, slow to fast
			72-75	gobo 4 shaking, slow to fast
			76-79	gobo 5 shaking, slow to fast
			80-83	gobo 6 shaking, slow to fast
			84-87	gobo 7 shaking, slow to fast
			88-91	gobo 8 shaking, slow to fast
			92-95	gobo 9 shaking, slow to fast
			96-99	gobo 10 shaking, slow to fast
			100-103	gobo 11 shaking, slow to fast
			104-107	gobo 12 shaking, slow to fast
			108-111	gobo 13 shaking, slow to fast
112-115	gobo 14 shaking, slow to fast			
116-119	gobo 15 shaking, slow to fast			
120-123	gobo 16 shaking, slow to fast			
124-127	white			
128-189	color scroll, fast to slow			
190-193	stop			
194-255	reverse gobo scroll, slow to fast			
11	10	Rotating gobo wheel	0	white
			1-5	open on rotating gobo wheel
			6-11	gobo 1
			12-17	gobo 2
			18-23	gobo 3
			24-29	gobo 4
			30-35	gobo 5

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11	10	Rotating gobo wheel	36-41	gobo 6
			42-47	gobo 7
			48-53	gobo 8
			54-63	gobo 9
			64-69	gobo 9 shaking, slow to fast
			70-75	gobo 8 shaking, slow to fast
			76-81	gobo 7 shaking, slow to fast
			82-87	gobo 6 shaking, slow to fast
			88-93	gobo 5 shaking, slow to fast
			94-99	gobo 4 shaking, slow to fast
			100-105	gobo 3 shaking, slow to fast
			106-111	gobo 2 shaking, slow to fast
			112-117	gobo 1 shaking, slow to fast
			118-127	white
			128-191	color scroll, fast to slow
192-255	reverse gobo scroll, slow to fast			
12	11	Gobo rotating	0-63	gobo index
			64-145	prism rotating, slow to fast
			146-149	stop
			150-231	reverse gobo rotating, slow to fa
			232-255	gobo rotating back and forth
13		gobo rotating 16bit	0-255	16bit adjustable
14	12	prism 1	0-4	off
			5-255	prism
15	13	Prism 1 rotating	0-127	prism index
			128-189	prism rotating, slow to fast
			190-193	stop
			194-255	reverse gobo rotating, slow to fa
16	14	prism 2	0-4	off
			5-255	prism
17	15	Prism 2 rotating	0-127	prism index
			128-189	prism rotating, slow to fast
			190-193	stop
			194-255	reverse gobo rotating, slow to fa
18	16	Frost 1	0-255	Frost
19	17	frost 2	0-3	off
			4-255	Frost
20	18	Focus	0-255	0-100%
21		Focus 16bit	0-255	16bit adjustable

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Mode/Channel		Channel Name	DMX	Function
25CH	20CH			
22		Auto focus	0-10	off
			11-255	auto detect distance
23	19	Zoom	0-255	from big to small
24		Zoom 16bit	0-255	16bit adjustable
25	20	Control	0-29	off
			30-39	off
			40-49	off
			50-59	off
			60-69	off
			70-79	pan/tilt blackout enable
			80-89	pan/tilt balckout disable
			90-99	color blackout enable
			100-109	color blackout disable
			110-119	gobo blackout enable
			120-129	gobo blackout disable
			130-139	lamp on
			140-149	pan/tilt reset
			150-159	color reset
			160-169	gobo reset
			170-179	strobe/prism reset
			180-189	off
190-199	zoom+prism+focus reset			
200-209	all reset			
210-219	all blackout enable			
220-229	all blackout disable			
230-239	lamp off			
240-247	off			
248-255	off			