

RAPTOR (FPR)

DMX PROTOCOL

1	PAN msb
2	PAN lsb
3	TILT msb
4	TILT lsb
5	SPEED MOVEMENT
6	PAN FPR
7	DIMMER
8	SHUTTER
9	COLOUR
10	COLOUR MODE
11	FIXED GOBO
12	FIXED GOBO SHAKE
13	FROST
14	SMOOTH
15	PRISM
16	PRISM ROTATION
17	FOCUS
18	RESET+LAMP

DMX CHANNEL	1	Parameter: PAN msb
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DMX CHANNEL	2	Parameter: PAN lsb
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DMX CHANNEL	3	Parameter: TILT msb
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DMX CHANNEL	4	Parameter: TILT lsb
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DMX CHANNEL	5	Parameter: SPEED MOVEMENT
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DMX value	Function
000-010	Standard
011-025	Fast movement
026-127	Vector mode from fast to slow
128-247	Variable time reaction to dmx signal (fast to slow)
248-255	Silent movement

DMX CHANNEL	6	Parameter: PAN FPR
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DMX value	Function
000-010	Position mode 540° (standard path)
011-020	Position mode 360° (1 turn)
021-030	Position mode 720° (2 turns)
031-040	Position mode 1080° (3 turns)
041-050	Position mode 1440° (4 turns)
051-060	Position mode 1800° (5 turns)
061-070	Position mode 2160° (6 turns)
071-080	Position mode 2520° (7 turns)
081-090	Position mode 2880° (8 turns)
091-100	Position mode 3240° (9 turns)
101-110	Position mode 3600° (10 turns)
111-120	Position mode 360° smart path
121-182	Forward spin rotation speed from max to min
183-193	Stop
194-255	Reverse spin rotation speed from min to max

DMX CHANNEL	7	Parameter: DIMMER
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DMX value	Function
000-007	Black-out
008-255	Proportional dimmer

DMX CHANNEL	8	Parameter: SHUTTER
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DMX value	Function
000-019	Black-out
020-039	Open
040-059	Black-out
060-079	Strobe random speed
080-084	Strobe speed 1 (1 flash/sec)
085-089	Strobe speed 2 (2 flash/sec)
090-094	Strobe speed 3 (3 flash/sec)
095-099	Strobe speed 4 (4 flash/sec)
100-104	Strobe speed 5 (5 flash/sec)
105-109	Strobe speed 6 (6 flash/sec)
110-114	Strobe speed 7 (7 flash/sec)
115-119	Strobe speed 8 (8 flash/sec)
120-124	Strobe speed 9 (10 flash/sec)
125-129	Strobe speed 10 (12 flash/sec)
130-134	Strobe speed 11 (15 flash/sec)
135-139	Strobe speed 12 (18 flash/sec)
140-149	Flash open speed 1
150-159	Flash open speed 2
160-169	Flash open speed 3
170-179	Flash open speed 4
180-189	Flash closed speed 1
190-199	Flash closed speed 2
200-209	Flash closed speed 3
210-219	Flash closed speed 4
220-227	Colours/Gobo in black-out
228-233	Pan/Tilt in black-out
234-255	Open

DMX CHANNEL	9	Parameter: COLOUR
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FULL COLOUR (CH9 = 0-63)

DMX value	Function
000-013	Colour 1
014-027	Colour 2
028-041	Colour 3
042-055	Colour 4
056-069	Colour 5
070-083	Colour 6
084-097	Colour 7
098-111	Colour 8
112-125	Colour 9
126-139	Colour 10
140-153	Colour 11
154-167	Colour 12
168-181	Colour 13
182-195	Colour 14
196-209	Colour 15
210-223	Colour 16
224-237	Colour 17
238-255	Colour 18

HALF COLOUR (CH9 = 64-127)

DMX value	Function
000-012	Colour 1
013-025	Colour 1-2
026-038	Colour 2-3
039-051	Colour 3-4
052-064	Colour 4-5
065-077	Colour 5-6
078-090	Colour 6-7
091-103	Colour 7-8
104-116	Colour 8-9
117-129	Colour 9-10
130-142	Colour 10-11
143-155	Colour 11-12
156-168	Colour 12-13
169-181	Colour 13-14
182-194	Colour 14-15
195-207	Colour 15-16
208-220	Colour 16-17
221-233	Colour 17-18
234-255	Colour 18-1

PROPORTIONAL COLOUR (CH9 = 128-191)

DMX value	Function
000-010	No colour
011-255	Proportional colour

RAINBOW (CH9 = 192-255)

DMX value	Function
000-009	No colour
010-127	Right rotation speed from max to min
128-137	Stop
138-255	Left rotation speed from min to max

DMX CHANNEL	10	Parameter: COLOUR MODE
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DMX value	Function
000-063	Full colour
064-127	Half colour
128-191	Proportional colour
192-255	Rainbow

DMX CHANNEL	11	Parameter: FIXED GOBO
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DMX value	Function
000-010	Open
011-021	Gobo 1
022-032	Gobo 2
033-043	Gobo 3
044-054	Gobo 4
055-065	Gobo 5
066-076	Gobo 6
077-087	Gobo 7
088-098	Gobo 8
099-109	Gobo 9
110-120	Gobo 10
121-131	Gobo 11
132-142	Gobo 12
143-153	Gobo 13
154-164	Gobo 14
165-175	Gobo 15
176-186	Gobo 16
187-207	Gobo 17
208-210	Speed rotation 1 min
211-213	Speed rotation 2
214-216	Speed rotation 3
217-219	Speed rotation 4
220-222	Speed rotation 5
223-225	Speed rotation 6
226-255	Speed rotation 7
229-228	Speed rotation 8
232-231	Speed rotation 9
235-237	Speed rotation 10
238-240	Speed rotation 11
241-243	Speed rotation 12
244-246	Speed rotation 13
247-249	Speed rotation 14
250-252	Speed rotation 15
253-255	Speed rotation 16 max

DMX CHANNEL	12	Parameter: FIXED GOBO SHAKE
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DMX value	Function
000-009	Stop
010-016	Gobo shake R-L speed 1
017-023	Gobo shake R-L speed 2
024-030	Gobo shake R-L speed 3
031-037	Gobo shake R-L speed 4
038-044	Gobo shake R-L speed 5
045-051	Gobo shake R-L speed 6
052-058	Gobo shake R-L speed 7
059-065	Gobo shake R-L speed 8
066-072	Gobo shake R-L speed 9
073-079	Gobo shake R-L speed 10
080-086	Gobo shake R-L speed 11
087-093	Gobo shake R-L speed 12
094-100	Gobo shake R-L speed 13
101-107	Gobo shake R-L speed 14
108-114	Gobo shake R-L speed 15
115-126	Gobo shake R-L speed 16
127-138	Stop
139-145	Gobo shake L-R speed 1
146-152	Gobo shake L-R speed 2
153-159	Gobo shake L-R speed 3
160-166	Gobo shake L-R speed 4
167-173	Gobo shake L-R speed 5
174-180	Gobo shake L-R speed 6
181-187	Gobo shake L-R speed 7
188-194	Gobo shake L-R speed 8
195-201	Gobo shake L-R speed 9
202-208	Gobo shake L-R speed 10
209-215	Gobo shake L-R speed 11
216-222	Gobo shake L-R speed 12
223-229	Gobo shake L-R speed 13
230-236	Gobo shake L-R speed 14
237-243	Gobo shake L-R speed 15
244-255	Gobo shake L-R speed 16

DMX CHANNEL	13	Parameter: FROST
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DMX value	Function
000-127	No function
128-255	Frost inserted

DMX CHANNEL	14	Parameter: SMOOTH
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DMX value	Function
000-127	No function
128-255	Smooth inserted

DMX CHANNEL	15	Parameter: PRISM
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DMX value	Function
000-127	No function
128-255	Prism inserted

DMX CHANNEL	16	Parameter: PRISM ROTATION
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DMX value	Function
000-009	Stop
010-127	Left rotation from fast to slow
128-137	Stop
138-255	Right rotation from slow to fast

DMX CHANNEL	17	Parameter: FOCUS
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DMX value	Function
000-255	Linear focus

DMX CHANNEL	18	Parameter: RESET + LAMP
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DMX value	Function
000-009	No effect
010-060	Lamp OFF (3 sec)
061-129	No effect
130-179	Lamp ON (3 sec)
180-200	No effect
201-239	Internal motor reset
240-255	Total reset