

XR 230/330 Spot DMX Protocol

Short Mode	Standard Mode	Extended Mode	Function	DMX	Description
1	1	1	Strobe	0-10	Closed
				11-25	Open
				26-225	Strobe from Slow to Fast
				226-239	Macro 1
				240-241	Macro 2
				242-246	Macro 3
				247-255	Open
2	2	2	Dimmer	0-3	Closed
				4-255	From dark to bright
	3	3	Dimmer fine	0-255	Dimmer in 16 bit precision
3	4	4	CYM Macro	0-16	White
				17-35	Yellow+Magenta=Red
				36-54	Yellow
				55-73	Yellow+Cyan=Green
				74-92	Cyan
				93-110	Cyan+Magenta=purple
				111-128	Magenta
129-255	CYM mixing from slow to fast				
4	5	5	Cyan	0-255	Cyan from light to deep
		6	Cyan fine	0-255	Cyan in 16 bit precision
5	6	7	Yellow	0-255	Yellow from light to deep
		8	Yellow fine	0-255	Yellow in 16 bit precision
6	7	9	Magenta	0-255	Magenta from light to deep
		10	Magenta fine	0-255	Magenta in 16 bit precision
7	8	11	Color wheel	0-8	White
				41-53	Color 1
				17-24	Color 2
				25-32	Color 3
				33-40	Color 4
				41-48	Color 5
				49-56	Color 6
				57-64	Color 7
				65-73	Color 8
				74-82	CTO
				83-91	Color 9
				92-100	Color 10
				101-109	Color 11
				110-118	Color 12
				119-128	Color 13
129-191	Forward rotation from slow to fast				
192-255	Reverse rotation from slow to fast				
8	9	12	Iris	0-255	From max to min
		13	Iris fine	0-255	Iris in 16 bit precision
9	10	14	Iris macro	0-10	White
				11-72	Effect 1
				73-136	Effect 2
				137-198	Effect 3
				199-214	Effect 4
				215-222	Effect 5

				223-230	Effect 6
				231-255	Full open
10	11	15	Fixed gobo wheel	0-7	White
				8-14	Gobo 1
				15-21	Gobo 2
				22-28	Gobo 3
				29-35	Gobo 4
				36-42	Gobo 5
				43-49	Gobo 6
				50-56	Gobo 7
				57-63	Gobo 8
				64-70	Gobo 9
				71-77	Gobo 10
				78-84	Gobo 11
				85-92	Gobo 12
				93-99	Gobo 13
				100-106	Gobo 14
				107-113	Gobo 15
				114-120	Gobo 16
				121-127	Gobo 17
				128-146	Forward rotation from slow to fast
				147-165	Reverse rotation from slow to fast
				166-170	Shake 1 from fast to slow
				171-175	Shake 2 from fast to slow
				176-180	Shake 3 from fast to slow
				181-185	Shake 4 from fast to slow
				186-190	Shake 5 from fast to slow
				191-195	Shake 6 from fast to slow
				196-200	Shake 7 from fast to slow
				201-205	Shake 8 from fast to slow
				206-210	Shake 9 from fast to slow
				211-215	Shake 10 from fast to slow
216-220	Shake 11 from fast to slow				
221-225	Shake 12 from fast to slow				
226-230	Shake 13 from fast to slow				
231-240	Shake 14 from fast to slow				
241-245	Shake 15 from fast to slow				
246-250	Shake 16 from fast to slow				
251-255	Shake 17 from fast to slow				
11	12	16	Rotating gobo wheel	0-12	White
				13-25	Gobo 1
				26-37	Gobo 2
				38-50	Gobo 3
				51-62	Gobo 4
				63-75	Gobo 5
				76-88	Gobo 6
				89-101	Gobo 7
				102-114	Gobo 8
				115-127	Gobo 9
				128-155	Forward rotation from slow to fast
				156-183	Reverse rotation from slow to fast
				184-191	Shake 1 from fast to slow
				192-199	Shake 2 from fast to slow
				200-207	Shake 3 from fast to slow

				208-215	Shake 4 from fast to slow
				216-223	Shake 5 from fast to slow
				224-231	Shake 6 from fast to slow
				232-239	Shake 7 from fast to slow
				240-247	Shake 8 from fast to slow
				248-255	Shake 9 from fast to slow
12	13	17	Gobo rotation	0-128	Gobo positioning from 0° to 540°
				129-188	Forward rotation from slow to fast
				189-195	Stop
				196-255	Reverse rotation from slow to fast
	14	18	Gobo rotation fine	0-255	Gobo rotation in 16 bit precision
13	15	19	Prism	0-16	Stop
				17-255	Prism
14	16	20	Prism rotation	0-128	White
				129-191	Forward rotation from slow to fast
				192	Stop
				193-255	Reverse rotation from slow to fast
15	17	21	Frost	0-255	Frost
16	18	22	Focus	0-255	Linear Focusing
				23	Focus Fine
17	19	24	Zoom	0-255	Linear zooming from big to small
				25	Zoom Fine
18	20	26	Pan	0-255	Pan(0°~540°)
				21	Pan Fine
19	22	28	Tilt	0-255	Tilt(0°~270°)
				23	Tilt Fine
20	24	30	Pan & Tilt speeds	000-255	Pan & Tilt speed from fast to slow
21	25	31	Control	0-47	Reserved
				48-80	Reset
				81-112	Reserved
				113-144	Lamp Off (stop in DMX value for 3 s)
				145-168	Reserved
				169-200	Half power
				201-223	Reserved
224-255	Full power				