

DMX Protocols

1 channel mode			
Channel	Value	Percent	Function
1	0-5	0-1	Blackout
	6-249	2-97	Flash rate, slow to fast
	250-255	98-100	Continuous blinder effect

3 channel mode			
Channel	Value	Percent	Function
1	0-5	0-1	Blackout
	6-255	2-100	Flash intensity - minimum to maximum
2	0-255	0-100	Flash duration: 0-650 ms @ 50 Hz AC 0-530 ms @ 60 Hz AC
3	0-5	0-1	No flash (trigger single flash using channel 1)
	6-255	2-100	Flash rate: 0.5-25 Hz @ 50 Hz AC 0.6-30 Hz @ 60 Hz AC

4 channel mode			
Channel	Value	Percent	Function
1	0-5	0-1	Blackout
	6-255	2-100	Flash intensity - minimum to maximum
2	0-255	0-100	Flash duration: 0-650 ms @ 50 Hz AC 0-530 ms @ 60 Hz AC
3	0-5	0-1	No flash (trigger single flash using channel 1)
	6-255	2-100	Flash rate: 0.5-25 Hz @ 50 Hz AC 0.6-30 Hz @ 60 Hz AC
4	0-5	0-1	No special effect
	6-42	2-16	Ramp up effect
	43-85	17-33	Ramp down effect
	86-128	34-50	Ramp up-down effect
	129-171	51-67	Random effect
	172-214	68-83	Lightning effect
	215-255	84-100	Spike effect

6 channel mode

Channel	Value	Percent	Function
1	0-5	0-1	Blackout
	6-255	2-100	Flash intensity - minimum to maximum
2	0-5	0-1	Blackout
	6-255	2-100	Red blinder intensity (<i>XC-5 models</i>), or Segment 1 intensity (<i>X-5 models</i>)
3	0-5	0-1	Blackout
	6-255	2-100	Green blinder intensity (<i>XC-5 models</i>), or Segment 2 intensity (<i>X-5 models</i>)
4	0-5	0-1	Blackout
	6-255	2-100	Blue blinder intensity (<i>XC-5 models</i>), or Segment 3 intensity (<i>X-5 models</i>)
5	0-255	0-100	Flash duration: 0-650 ms @ 50 Hz AC 0-530 ms @ 60 Hz AC
6	0-5	0-1	No flash (trigger single flash using channel 1)
	6-255	2-100	Flash rate: 0.5-25 Hz @ 50 Hz AC 0.6-30 Hz @ 60 Hz AC

7 channel mode

Channel	Value	Percent	Function
1	0-5	0-1	Blackout
	6-255	2-100	Flash intensity - minimum to maximum
2	0-255	0-100	Flash duration: 0-650 ms @ 50 Hz AC 0-530 ms @ 60 Hz AC
3	0-5	0-1	No flash (trigger single flash using channel 1)
	6-255	2-100	Flash rate: 0.5-25 Hz @ 50 Hz AC 0.6-30 Hz @ 60 Hz AC
4	0-5	0-1	No special effect
	6-42	2-16	Ramp up effect
	43-85	17-33	Ramp down effect
	86-128	34-50	Ramp up-down effect
	129-171	51-67	Random effect
	172-214	68-83	Lightning effect
	215-255	84-100	Spike effect

5	0-5	0-1	Blackout
	6-255	2-100	Green blinder intensity (<i>XC-5 models</i>), or Segment 2 intensity (<i>X-5 models</i>)
6	0-5	0-1	Blackout
	6-255	2-100	Green blinder intensity (<i>XC-5 models</i>), or Segment 2 intensity (<i>X-5 models</i>)
7	0-5	0-1	Blackout
	6-255	2-100	Blue blinder intensity (<i>XC-5 models</i>), or Segment 3 intensity (<i>X-5 models</i>)

7 channel Legacy mode

Channel	Value	Percent	Function
1	0-5	0-1	Blackout
	6-255	2-100	Flash intensity - minimum to maximum
2	0-5	0-1	Blackout
	6-255	2-100	Red blinder intensity (<i>XC-5 models</i>), or Segment 1 intensity (<i>X-5 models</i>)
3	0-5	0-1	Blackout
	6-255	2-100	Green blinder intensity (<i>XC-5 models</i>), or Segment 2 intensity (<i>X-5 models</i>)
4	0-5	0-1	Blackout
	6-255	2-100	Blue blinder intensity (<i>XC-5 models</i>), or Segment 3 intensity (<i>X-5 models</i>)
5	0-255	0-100	Flash duration: 0-650 ms @ 50 Hz AC 0-530 ms @ 60 Hz AC
6	0-5	0-1	No flash (trigger single flash using channel 1)
	6-255	2-100	Flash rate: 0.5-25 Hz @ 50 Hz AC 0.6-30 Hz @ 60 Hz AC

7	0-5	0-1	No special effect
	6-42	2-16	Ramp up effect
	43-85	17-33	Ramp down effect
	86-128	34-50	Ramp up-down effect
	129-171	51-67	Random effect
	172-214	68-83	Lightning effect
	215-255	84-100	Spike effect

Pixel mode			
Channel	Value	Percent	Blinder intensity
1	0-5	0-1	Blackout
	6-255	2-100	Red blinder intensity (<i>XC-5 models</i>), or Segment 1 intensity (<i>X-5 models</i>)
2	0-5	0-1	Blackout
	6-255	2-100	Green blinder intensity (<i>XC-5 models</i>), or Segment 2 intensity (<i>X-5 models</i>)
3	0-5	0-1	Blackout
	6-255	2-100	Blue blinder intensity (<i>XC-5 models</i>), or Segment 3 intensity (<i>X-5 models</i>)