

# DMX CHANNEL FUNCTIONS AND VALUES

## RELATION KL FRESNEL 6

DMX Channel Values / Functions (4 DMX Channels)

**Supports Software Versions: ≥ 1.02**

Features subject to change without notice.

MODE / CHANNEL				VALUE	FUNCTION
1CH	2CH	3CH	4CH		
1	1	1	1		<b>DIMMER INTENSITY</b>
				000-255	Dimmer 0 to 100%
			2		<b>DIMMER INTENSITY FINE</b>
				000-255	Dimmer FINE Adjustment
	2	2	3		<b>SHUTTER, STROBE</b>
				000-031	LED OFF
				032-063	LED ON
				064-095	Strobe Effect SLOW to FAST
				096-127	LED ON
				128-159	Pulse Effect In Sequences
				160-191	LED ON
				192-223	Random Strobe Effect SLOW to FAST
224-255	LED ON				
		3	4		<b>DIMMER MODES</b>
				000-020	Standard
				201-040	Stage
				041-060	TV
				061-080	Architectural
				081-100	Theatre
101-255	Default to Setting on Fixture				

### DMX CHANNEL UPDATE WITH SOFTWARE UPDATE VERSION ≥1.06

See highlighted items below which have been updated with this software update.

MODE / CHANNEL						VALUE	FUNCTION
1CH	2CH	2-2CH	3CH	2-3CH	4CH		
1	1	1	1	1	1		<b>DIMMER INTENSITY</b>
				000-255		Dimmer 0 to 100%	
		2		2	2		<b>DIMMER INTENSITY FINE</b>
				000-255		Dimmer FINE Adjustment	
	2		2		3		<b>SHUTTER, STROBE</b>
						000-031	LED OFF
						032-063	LED ON
						064-095	Strobe Effect SLOW to FAST
						096-127	LED ON
						128-159	Pulse Effect In Sequences
						160-191	LED ON
						192-223	Random Strobe Effect SLOW to FAST
224-255	LED ON						
			3	3	4		<b>DIMMER MODES</b>
						000-020	Standard
						021-040	Stage
						041-060	TV
						061-080	Architectural
						081-100	Theatre
101-120	Stage 2						
121-255	Default to Setting on Fixture						

## DMX CHANNEL UPDATE WITH SOFTWARE UPDATE VERSION $\geq 1.08$

RELATION KL FRESNEL 6						
DMX Channel Values / Functions (5 DMX Channels)						
Supports Software Versions: $\geq 1.08$						
Features subject to change without notice.						
MODE / CHANNEL					VALUE	FUNCTION
Dimmer	Dimmer 16bit	3CH	Standard	Extended		
1	1	1	1	1	000-255	<b>DIMMER INTENSITY</b> Dimmer 0 to 100%
	2		2	2	000-255	<b>DIMMER INTENSITY FINE</b> Dimmer FINE Adjustment
		2	3	3		<b>SHUTTER   STROBE</b>
					000-031	LED OFF
					032-063	LED ON
					064-095	Strobe Effect SLOW to FAST
					096-127	LED ON
					128-159	Pulse Effect In SLOW to FAST
					160-191	LED ON
					192-223	Random Strobe Effect SLOW to FAST
					224-255	LED ON
		3	4	4		<b>DIMMER MODES   DIMMER DELAY TIMES</b>
					000-020	Standard
					021-040	Stage
					041-060	TV
					061-080	Architectural
					081-100	Theatre
					101-120	Stage 2
					121	Dimmer Delay Time 0.0 seconds
					122	Dimmer Delay Time 0.1 seconds
					123	Dimmer Delay Time 0.2 seconds
					124	Dimmer Delay Time 0.3 seconds
					125	Dimmer Delay Time 0.4 seconds
					126	Dimmer Delay Time 0.5 seconds
					127	Dimmer Delay Time 0.6 seconds
					128	Dimmer Delay Time 0.7 seconds
					129	Dimmer Delay Time 0.8 seconds
					130	Dimmer Delay Time 0.9 seconds
					131	Dimmer Delay Time 1.0 seconds
					132	Dimmer Delay Time 1.5 seconds
					133	Dimmer Delay Time 2.0 seconds
					134	Dimmer Delay Time 3.0 seconds
					135	Dimmer Delay Time 4.0 seconds
					136	Dimmer Delay Time 5.0 seconds
					137	Dimmer Delay Time 6.0 seconds
					138	Dimmer Delay Time 7.0 seconds
					139	Dimmer Delay Time 8.0 seconds
					140	Dimmer Delay Time 9.0 seconds
					141	Dimmer Delay Time 10.0 seconds
					142-255	Default

MODE / CHANNEL					VALUE	FUNCTION
Dimmer	Dimmer 16bit	3CH	Standard	Extended		
				5		LED REFRESH RATE   DIMMER CURVES* *Hold selected DMX value for 5 seconds to set LED Refresh Rate.
					000-100	IDLE
					101-105	900 Hz*
					106-110	1000 Hz*
					111-115	1100 Hz*
					116-120	1200 Hz*
					121-125	1300 Hz*
					126-130	1400 Hz*
					131-135	1500 Hz*
					136-140	2500 Hz*
					141-145	4000 Hz*
					146-150	5000 Hz*
					151-155	10,000 Hz*
					156-160	15,000 Hz*
					161-165	20,000 Hz*
					166-170	25,000 Hz*
					171-200	IDLE
					201-210	DIMMER CURVE LINEAR (DEFAULT)
					211-220	DIMMER CURVE SQUARE
					221-230	DIMMER CURVE INVERSE SQUARE
				231-240	DIMMER CURVE S-CURVE	
				241-255	IDLE	