DMX CHART

Clay Paky AlphaSpot 800 QWO

Model Alpha Spot QWO 800 · Prepared by Krank'd · krankd.com.au

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Standard | Vector

Standard and Vector modes

STANDARD	VECTOR	VALUE	FUNCTION
1	1	000-255	**Cyan** · Colour mixing (000 colour inserted → 255 colour excluded under RGB option; reversed under CMY option)
2	2	000-255	**Magenta** · Colour mixing (000 colour inserted → 255 colour excluded under RGB option; reversed under CMY option)
3	3	000-255	**Yellow** · Colour mixing (000 colour inserted → 255 colour excluded under RGB option; reversed under CMY option)
4	4	000-255	**CTO** · CTO (000 excluded → 255 inserted)
5	5		**Colour wheel**
		000-007	White
		008-014	White + red
		015-021	Red
		022-029	Red + CTO 2600
		030-036	CTO 2600
		037-044	CTO 2600 + green
		045-051	Green
		052-059	Green + light green
		060-066	Light green
		067-074	Light green + lavender
		075-081	Lavender
		082-089	Lavender + aquamarine
		090-096	Aquamarine
		097-104	Aquamarine + orange
		105-111	Orange
		112-119	Orange + blue
		120-126	Blue
		127	Blue + white
		128-255	Slow rotation (0,2 rpm) → fast rotation (160 rpm)
6	6		**Macro colors**
		000	Unused range
		001	Random macro color (only for macro effects)
		002-003	Med Bastard Amber
		004-005	Med Yellow
		006-007	Bright Red
		008-009	Lavender
		010-011	Pale Blue
		012-013	Sky Blue
		014-015	Tokyo Blue

STANDARD	VECTOR	VALUE	FUNCTION
		016-017	Just Blue
		018-019	Lime Green
		020-021	Dark Yellow Green
		022-023	Spring Yellow
		024-025	Yellow
		026-027	Light Amber
		028-029	Straw
		030-031	Deep Amber
		032-033	Orange
		034-035	Primary Red
		036-037	Light Rose
		038-039	English Rose
		040-041	Light Salmon
		042-043	Dark Pink
		044-045	Peacock Blue
		046-047	Medium Blue Green
		048-049	Steel Blue
		050-051	Light Blue
		052-053	Dark Blue
		054-055	Deep Blue
		056-057	Leaf Green
		058-059	Fern Green
		060-061	Mauve
		062-063	Bright Pink
		064-065	Marine Blue
		066-067	Medium Blue
		068-069	Golden Amber
		070-071	Deep Golden Amber
		072-073	Pale Lavender
		074-075	Special Lavender
		076-077	Pale Green
		078-079	Light Green
		080-081	Primary Green
		082-083	Bright Blue
		084-085	Apricot
		086-087	Bright Rose
		088-089	Pale Gold
		090-091	Pale Rose
		092-093	Pink
		094-095	Deep Orange
		096-097	Bastard Amber

STANDARD	VECTOR	VALUE	FUNCTION
		098-099	Flame Red
		100-101	Daylight Blue
		102-103	Lilac Tint
		104-105	Deep Lavender
		106-107	Lagoon Blue
		108-109	Chrome Orange
		110-111	Dark Lavender
		112-113	Congo Blue
		114-115	Alice Blue
		116-117	Full CTB
		118-119	1/2 CTB
		120-121	1/4 CTB
		122-123	Full CT Orange
		124-125	1/2 CTO
		126-127	1/4 CTO
		128-129	Minus Green
		130-131	Half Minus Green
		132-133	3/4 CTB
		134-135	3/4 CT Orange
		136-137	Jade
		138-139	Mallard Green
		140-141	Fuschia Pink
		142-143	Glacier Blue
		144-145	Lighter Blue
		146-147	Half CT Straw
		148-255	Unused range
7	7		**Stop / Strobe**
		000-003	Closed
		004-103	Strobe, slow to fast (1 → 12 flash/sec)
		104-107	Open
		108-207	Pulsation, slow to fast
		208-212	Open
		213-225	Random slow strobe
		226-238	Random medium strobe
		239-251	Random fast strobe
		252-255	Open
8	8	000-255	**Dimmer** · The lamp is linearly dimmed from full power to half power electronically and mechanically from half power to off
9	9	000-255	**Dimmer fine** · Dimmer fine adjustment
10	10		**Iris**
		000-127	Minimum aperture → maximum aperture
		128-131	Maximum aperture

STANDARD	VECTOR	VALUE	FUNCTION
		132-170	Slow pulsation
		171	Fast pulsation
		172-210	Slow pulsation, fast opening
		211	Fast pulsation, fast opening
		212-250	Slow pulsation, fast closing
		251	Fast pulsation, fast closing
		252-255	Maximum aperture
11	11		**Static gobo change**
		000-007	White
		008-015	Gobo 1
		016-023	Gobo 2
		024-031	Gobo 3
		032-039	Gobo 4
		040-047	Gobo 5
		048-055	Gobo 6
		056-063	Gobo 7
		064-071	Gobo 8
		072-113	Fast rotation (100 rpm) → slow rotation (5 rpm)
		114-117	Stop
		118-159	Slow rotation (5 rpm) → fast rotation (100 rpm)
		160-171	Gobo 1 shake, slow to fast speed
		172-183	Gobo 2 shake, slow to fast speed
		184-195	Gobo 3 shake, slow to fast speed
		196-207	Gobo 4 shake, slow to fast speed
		208-219	Gobo 5 shake, slow to fast speed
		220-231	Gobo 6 shake, slow to fast speed
		232-243	Gobo 7 shake, slow to fast speed
		244-255	Gobo 8 shake, slow to fast speed
12	12		**Rotating gobo change**
		000-016	White
		017-032	Gobo 1
		033-048	Gobo 2
		049-064	Gobo 3
		065-081	Gobo 4
		082-097	Gobo 5
		098-113	Gobo 6
		114-129	Gobo 7
		130-147	Gobo 1 shake, slow to fast speed
		148-165	Gobo 2 shake, slow to fast speed
		166-183	Gobo 3 shake, slow to fast speed
		184-201	Gobo 4 shake, slow to fast speed

STANDARD	VECTOR	VALUE	FUNCTION
		202-219	Gobo 5 shake, slow to fast speed
		220-237	Gobo 6 shake, slow to fast speed
		238-255	Gobo 7 shake, slow to fast speed
13	13		**Gobo rotation**
		000-020	0° position
		021-041	90° position
		042-062	180° position
		063-083	270° position
		084-104	360° position
		105-126	450° position
		127	540° position
		128-190	Fast rotation (180 rpm) → slow rotation (2,2 rph)
		191-192	Stop
		193-255	Slow rotation (2,2 rph) → fast rotation (180 rpm)
14	14	000-255	**Gobo fine** · Gobo fine rotation adjustment
15	15		**Prism insertion**
		000-127	Prism excluded
		128-255	Prism inserted
16	16		**Prism rotation**
		000-020	Position 0°
		021-041	Position 90°
		042-062	Position 180°
		063-083	Position 270°
		084-104	Position 360°
		105-126	Position 450°
		127	Position 540°
		128-190	Fast rotation (120 rpm) → slow rotation (3 rph)
		191-192	Stop
		193-255	Slow rotation (3 rph) → fast rotation (120 rpm)
17	17	000-255	**Frost** · Frost (000 excluded → 255 inserted)
18	18	000-255	**Animation disk insertion** · Animation disk (000 excluded → 255 inserted)
19	19		**Animation disk rotation**
		000-124	Fast rotation (120 rpm) → slow rotation (4,4 rph)
		125-130	Stop
		131-255	Slow rotation (4,4 rph) → fast rotation (120 rpm)
20	20	000-255	**Focus** · Focus (000 distant → 255 near)
21	21	000-255	**Focus fine** · Focus fine (000 distant → 255 near)
22	22	000-255	**Zoom** · Zoom (000 wide beam → 255 narrow beam)
23	23		**Autofocus distance**
		000-006	Autofocus off
		007-009	3 metres

STANDARD	VECTOR	VALUE	FUNCTION
		010-012	4 metres
		013-014	5 metres
		015-017	6 metres
		018-019	7 metres
		020-022	8 metres
		023-025	9 metres
		026-255	10 metres → 100 metres
24	24	000-255	**Autofocus adjustment** · Focus fine adjustment (centre at 128)
25	25		**Macro effects**
		000-007	Macro off
		008-011	Stand by
		012-015	Stand by black
		016-027	Macro 1
		028-039	Macro 2
		040-051	Macro 3
		052-063	Macro 4
		064-075	Macro 5
		076-087	Macro 6
		088-099	Macro 7
		100-111	Macro 8
		112-135	Stand by black
		136-147	Random macro 1
		148-159	Random macro 2
		160-171	Random macro 3
		172-183	Random macro 4
		184-195	Random macro 5
		196-207	Random macro 6
		208-219	Random macro 7
		220-231	Random macro 8
		232-255	Stand by black
26	26	000-255	**Pan** · Pan movement (000 → 255; InvertPan option reverses direction)
27	27	000-255	**Pan fine** · Pan fine movement (InvertPan option reverses direction)
28	28	000-255	**Tilt** · Tilt movement (000 → 255; Invert Tilt option reverses direction)
29	29	000-255	**Tilt fine** · Tilt fine movement (Invert Tilt option reverses direction)
30	30		**Function**
		000-011	Unused range
		012-024	Pan-Tilt function: Fast (default)
		025-037	Pan-Tilt function: Normal
		038-050	Dimmer curve function: Conventional
		051-062	Dimmer curve function: Linear (default)
		063-255	Unused range

STANDARD	VECTOR	VALUE	FUNCTION
31	**31**		**Reset**
		000-025	Unused range
		026-076	Effects reset
		077-127	Pan/Tilt reset
		128-255	Complete reset
32	**32**		**Lamp control (with option "Lamp DMX" ON)**
		000-025	Unused range
		026-100	Lamp off (lamp switch off passing through the unused range and staying 5 s in lamp-off levels)
		101-179	Lamp on (half power)
		180-255	Lamp on (full power); lamp ignition after 5 s in full-power levels
·	**33**	000-255	**Pan tilt time** · Pan - Tilt - (Pan fine - Tilt fine); see Time Table (000 full → 255 follow cue data)
·	**34**	000-255	**Colour time** · CMY - Colour wheel - CTO; see Time Table (000 full → 255 follow cue data)
·	**35**	000-255	**Beam time** · Dimmer - Frost - Iris - Focus - Zoom - Prism - Animation Disk; see Time Table (000 full → 255 follow cue data)
·	**36**	000-255	**Gobo time** · Static Gobo - Rotating Gobo Change; see Time Table (000 full → 255 follow cue data)

※ One table, two channel modes: STANDARD (32 channels) and VECTOR (36 channels). VECTOR adds the four timing channels 33–36 (Pan tilt time / Colour time / Beam time / Gobo time), which STANDARD does not use; all other channels are identical between modes.

※ On conclusion of resetting, in case of absence of DMX signal, Pan & Tilt move to the "Home" position (Pan 50%, Tilt 50%) and all other channels stay at 0%.

※ Channel 6 Macro colors: only the BIT range + COLOR NAME are listed. The source's Rosco/LEE filter codes and per-component CYAN/MAGENTA/YELLOW/CTO/WHEEL calibration-bit columns are factory data and are omitted.

※ VECTOR timing channels 33–36 use the shared Time Table (BIT → seconds): 0 = Full; 1 = 0.2 s; increasing in ~0.2 s steps up to BIT 100 = 30 s, then coarser steps up to BIT 254 = 310 s; BIT 255 = Follow cue data. Channel 33 times Pan/Tilt, 34 times CMY/Colour wheel/CTO, 35 times Dimmer/Frost/Iris/Focus/Zoom/Prism/Animation Disk, 36 times Static & Rotating Gobo.

※ Alpha Spot QWO 800 is not provided with hot restrike igniter (lamp ignition not allowed in half power; immediate transitions between full and half power as printed on the Lamp control chart).