

DMX CHART

DMX channel's functions and their values (44 DMX channels)				
Mode/Channel			Value	Function
St	Ba	Ex		
1	1	1		PAN Movement 8bit
			0-255	Pan Movement
2		2		Pan Fine 16bit
			0-255	Fine control of Pan movement
3	2	3		TILT Movement 8bit
			0-255	Tilt Movement
4		4		Tilt Fine 16bit
			0-255	Fine control of Tilt movement
5	3	5		Speed Pan/Tilt movement
			0-225	max to min speed
			226-235	blackout by movement
6	4	6		Pan Motor continuous rotation
			0-127	no function
			128-189	Forwards Pan rotation from fast to slow
			190-193	No rotation
			194-255	Backwards Pan rotation from slow to fast
7	5	7		Tilt Motor continuous rotation
			0-127	no function
			128-189	Forwards Tilt rotation from fast to slow
			190-193	No rotation
8	6			Red LED - all arrays
			0-255	Red (0-Black , 255-100% Red)
9	7			Green LED-all arrays :
			0-255	Green (0-Black , 255-100% Green)
10	8			Blue LED -all arrays :
			0-255	Blue (0-Black , 255-100% Blue)
11	9			White LED -all arrays :
			0-255	White (0-Black , 255-100% White)
		17		Red LED -array 1 :
		18		Green LED-array 1 :
		19		Blue LED -array 1 :
		20		White LED -array 1 :
		21		Red LED -array 2 :
		22		Green LED-array 2 :
		23		Blue LED -array 2 :
		24		White LED -array 2 :
		...		
		41		Red LED -array 7 :
		42		Green LED-array 7 :
		43		Blue LED -array 7 :
		44		White LED -array 7 :

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St	Ba	Ex		
12	10	8		Shutter, strobe:
			0-31	Led turn off
			32-63	Led turn on
			64-95	Strobe effect slow to fast
			96-127	Led turn on
			128-159	Pulse-effect in sequences
			160-191	Led turn on
			192-223	Random strobe effect slow to fast
13	11	9		Dimmer intensity:
			0-255	Intensity 0 to 100%
14	12	10		Color Macro:
			0-7	No function
			8-39	from RED to YELLOW
			40-71	from YELLOW to GREEN
			72-103	from GREEN to CYAN
			104-135	from CYAN to BLUE
			136-167	from BLUE to MAGENTA
			168-199	from MAGENTA to RED
			200-231	from RED to WHITE
			232-255	Crossfading colours from slow to fast
15	13	11		Color Presets:
			0-4	No function
			5-9	White2700k
			10-14	White3200k
			15-19	White4200k
			20-24	White5600k
			25-29	White6500k
			30-34	White8000k
			35-39	Yellow
			40-44	Magenta
			45-49	Cyan
			50-54	Salmon
			55-59	Turquoise
			60-64	Light Green
			65-69	Steel Blue
			70-74	Orange
			75-79	Straw
			80-84	Pale Lavander
			85-89	Pink
			90-94	Red
95-99	Green			
100-104	Blue			
105-109	Rainbow1			
110-114	Rainbow2			
115-119	Rainbow3			
120-124	Rainbow4			
125-129	Rainbow5			
130-134	Rainbow6			
135-139	Rainbow7			
140-144	Rainbow8			
145-149	Rainbow9			
150-154	Rainbow10			
155-159	Rainbow11			
160-164	Rainbow12			

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15	13	11		Color Presets:
			165-169	Rainbow13
			170-174	Rainbow14
			175-179	Rainbow15
			180-184	Rainbow16
			185-189	Rainbow17
			190-194	Rainbow18
			195-199	Rainbow19
			200-255	Reserved
19	17	15		Color Presets Dimmer:
			0-255	Dimmer 100 to 0%
16	14	12		Chase Patterns:
			1--14	Led trun off
			15-30	Chase 1
			31-46	Chase 2
			47-62	Chase 3
			63-78	Chase 4
			79-94	Chase 5
			95-110	Chase 6
			111-126	Chase 7
			127-142	Chase 8
			143-158	Chase 9
			159-174	Chase 10
			175-190	Chase 11
			191-206	Chase 12
			207-222	Chase 13
223-238	Chase 14			
239-255	Chase 15			
17	15	13		Chase Speed:
			0-125	Fast to Slow Backward
			126-130	Stop(Speed=0)
			131-255	Slow to Fast Forward
18	16	14		Chase Fade:
			0-255	Fade Chase
20	18	16		Reset, internal programs:
			0-79	Normal
			80-84	All motor reset
			85-87	Scan motor reset
			88-90	no function
			91-93	no function
			94-96	no function
			97-99	no function
			100-119	Internal program 1 (secne1~8 of EEPROM)
			120-139	Internal program 2 (secne9~16 of EEPROM)
			140-159	Internal program 3 (secne17~24 of EEPROM)
			160-179	Internal program 4 (secne25~32 of EEPROM)
			180-199	Internal program 5 (secne33~40 of EEPROM)
			200-219	Internal program 6 (secne41~48 of EEPROM)
220-239	Internal program 7 (secne49~56 of EEPROM)			
240-255	Music Control (secne of Program 1)			

ERROR MESSAGES

When you turn on the MAGICBLADE-R, it will first perform an automatic reset. The display may show "Err channel is XX" indicating there is a problem with one or more of the channels. "XX" represents channel 1, 2, 3, 4, 5 or 6, which contain the testing sensor for positioning. For example, the message, "Err channel is Red LED -all arrays", indicates an error in channel 1. If there is an error on channel 1 and channel 3 at the same time, the following error message may appear: "Err channel is Pan movement", "Err channel is Tilt movement". The system will flash twice, and the fixture will generate a second reset. If the error message persists after more than two resets, the channels showing errors will not work properly but the other channels will function normally.

Please contact your authorized dealer or manufacturer for service and do not attempt to repair the luminaire yourself.

PAN- movement Er

(PAN-yoke movement error): This message will appear after the reset if the yoke's magnetic-indexing circuit malfunctions (failed sensor or magnet missing) or the stepping-motor is defective (also caused by its driving IC on the main PCB). The PAN- movement does not return to the default position after the reset.

TILT- movement Er

(TILT-head movement error): This message will appear after the reset if the head's magnetic-indexing circuit malfunctions (sensor failed or magnet missing) or the stepping-motor is defective (also caused by its driving IC on the main PCB). The TILT- movement does not return to the default position after the reset.

CARE AND MAINTENANCE

The care and maintenance of your MAGICBLADE-R should be ensured by a qualified technician. Your MAGICBLADE-R requires regular servicing. The frequency depends essentially on its operating conditions and environment. Intensive use in a dusty environment, or a lack of ventilation around the fixture, may disrupt operation, result in overheating and cause damage that is not covered by the warranty.

WARNING!

Disconnect from mains before servicing.

UPDATING THE LUMINAIRE

Ayrton is continually upgrading this product line. It is therefore possible that a new software version is available that will increase the unit's capabilities.

Updates are performed using Ayrton's update box. Contact your dealer for more information.

To display the version of your , go into the "Info" menu and select "Software version" (see options details under the "INFO" menu). It is advisable to use the same software version for multiple fixtures.