

# HYDRABEAM 300 / RGBW

## DMX CONTROL TABLE



<b>6-CH Mode CLHB300W</b>					
CH1	master dimmer	000	-	255	0-100%
CH2	strobe	000	-	010	no strobe
		011	-	255	slow to fast
CH3	show mode	000	-	007	no movement
		008	-	022	show mode 1
		023	-	037	show mode 2
		038	-	052	show mode 3
		053	-	067	show mode 4
		068	-	082	show mode 5
		083	-	097	show mode 6
		098	-	112	show mode 7
		113	-	127	show mode 8
		128	-	142	show mode 9
		143	-	157	show mode 10
		158	-	172	show mode 11
		173	-	187	show mode 12
		188	-	202	show mode 13
		203	-	217	show mode 14
		218	-	232	show mode 15
233	-	247	show mode 16		
248	-	255	sound control mode		
CH4		000	-	255	show mode speed (slow to fast) / sound sensitivity
CH5	light control	000	-	031	blackout
		032	-	063	lighting pattern 1 (see below)
		064	-	095	lighting pattern 2 (see below)
		096	-	127	lighting pattern 3 (see below)
		128	-	159	lighting pattern 4 (see below)
		160	-	191	lighting pattern 5 (see below)
		192	-	223	lighting pattern 6 (see below)
224	-	255	full on		
CH6		000	-	255	lighting pattern speed

10-CH Mode CLHB300W					
CH1	master control	000	-	255	pan
CH2		000	-	255	tilt
CH3		000	-	255	master dimmer 0-100%
CH4	strobe	000	-	010	no strobe
		011	-	255	slow to fast
CH5	show mode	000	-	007	no movement
		008	-	022	show mode 1
		023	-	037	show mode 2
		038	-	052	show mode 3
		053	-	067	show mode 4
		068	-	082	show mode 5
		083	-	097	show mode 6
		098	-	112	show mode 7
		113	-	127	show mode 8
		128	-	142	show mode 9
		143	-	157	show mode 10
		158	-	172	show mode 11
		173	-	187	show mode 12
		188	-	202	show mode 13
		203	-	217	show mode 14
		218	-	232	show mode 15
233	-	247	show mode 16		
248	-	255	Sound Control Mode		
CH6		000	-	255	Show Mode speed (slow to fast) / Sound sensitivity
CH7	light control	000	-	031	blackout
		032	-	063	lighting pattern 1 ( see below)
		064	-	095	lighting pattern 2 ( see below)
		096	-	127	lighting pattern 3 ( see below)
		128	-	159	lighting pattern 4 ( see below)
		160	-	191	lighting pattern 5 ( see below)
		192	-	223	lighting pattern 6 ( see below)
224	-	255	full on		
CH8		000	-	255	lighting pattern speed
CH9	fine control	000	-	255	pan fine
CH10		000	-	255	tilt fine

12-CH Mode CLHB300W					
CH1	master dimmer	000	-	255	0-100%
CH2	strobe	000	-	010	no strobe
		011	-	255	slow to fast
CH3	first head	000	-	255	pan
CH4		000	-	255	tilt
CH5		000	-	255	dimmer 0-100%
CH6	second head	000	-	255	pan
CH7		000	-	255	tilt
CH8		000	-	255	dimmer 0-100%
CH9	third head	000	-	255	pan
CH10		000	-	255	tilt
CH11		000	-	255	dimmer 0-100%
CH12	head speed	000	-	255	slow to fast

22-CH Mode CLHB300W					
CH1	master dimmer	000	-	255	dimmer, 0-100%
CH2	strobe	000	-	010	no-strobe
		011	-	255	slow to fast
CH3	first head	000	-	255	first head, pan
CH4		000	-	255	first head, pan fine
CH5		000	-	255	first head, tilt
CH6		000	-	255	first head, tilt fine
CH7		000	-	010	first head speed (slowest speed until value 011 is reached)
		011	-	255	first head speed, slow to fast
CH8		000	-	255	first head dimmer, 0% - 100%
CH9	second head	000	-	255	second head, pan
CH10		000	-	255	second head, pan fine
CH11		000	-	255	second head, tilt
CH12		000	-	255	second head, tilt fine
CH13		000	-	010	second head speed, use speed value from CH7
		011	-	255	second head speed, slow to fast
CH14		000	-	255	second head dimmer, 0% - 100%
CH15	third head	000	-	255	third head, pan
CH16		000	-	255	third head, pan fine
CH17		000	-	255	third head, tilt
CH18		000	-	255	third head, tilt fine
CH19		000	-	010	third head speed, use speed value from CH7
		011	-	255	third head speed, slow to fast
CH20	000	-	255	third head dimmer, 0% - 100%	
CH21	sound mode / reset	000	-	199	no function
		200	-	209	reset
		210	-	240	no function
		241	-	255	sound control mode
CH22		000	-	255	sound sensitivity in sound mode

<b>27-CH Mode CLHB300W</b>						
CH1	mechanic control	000	-	255	pan	head 1
CH2		000	-	255	pan fine	
CH3		000	-	255	tilt	
CH4		000	-	255	tilt fine	
CH5		000	-	255	head speed, slow to fast	
CH6	dimmer	000	-	255	dimmer, 0% - 100%	
CH7	strobe	000	-	010	no-strobe	
		011	-	255	slow to fast	
CH8	auto mode / sound mode / reset	000	-	007	no function	
		008	-	030	show mode 1	
		031	-	053	show mode 2	
		054	-	076	show mode 3	
		077	-	099	show mode 4	
		100	-	122	sound control mode	
		123	-	199	no function	
		200	-	224	reset	
CH9		225	-	255	no function	
CH9		000	-	255	sound sensitivity / auto mode speed	
CH10	mechanic control	000	-	255	pan	head 2
CH11		000	-	255	pan fine	
CH12		000	-	255	tilt	
CH13		000	-	255	tilt fine	
CH14		000	-	255	head speed, slow to fast	
CH15	dimmer	000	-	255	dimmer, 0% - 100%	
CH16	strobe	000	-	010	no-strobe	
		011	-	255	slow to fast	
CH17	auto mode / sound mode / reset	000	-	007	no function	
		008	-	030	show mode 1	
		031	-	053	show mode 2	
		054	-	076	show mode 3	
		077	-	099	show mode 4	
		100	-	122	sound control mode	
		123	-	199	no function	
		200	-	224	reset	
CH18		225	-	255	no function	
CH18		000	-	255	sound sensitivity / auto mode speed	

CH19	mechanic control	000	-	255	pan	head 3
CH20		000	-	255	pan fine	
CH21		000	-	255	tilt	
CH22		000	-	255	tilt fine	
CH23		000	-	255	head speed, slow to fast	
CH24	dimmer	000	-	255	dimmer, 0% - 100%	
CH25	strobe	000	-	010	no-strobe	
		011	-	255	slow to fast	
CH26	auto mode / sound mode / reset	000	-	007	no function	
		008	-	030	show mode 1	
		031	-	053	show mode 2	
		054	-	076	show mode 3	
		077	-	099	show mode 4	
		100	-	122	sound control mode	
		123	-	199	no function	
		200	-	224	reset	
		225	-	255	no function	
CH27		000	-	255	sound sensitivity / auto mode speed	

6-CH Mode CLHB300RGBW						
CH1	master dimmer	000	-	255	0-100%	
CH2	strobe	000	-	010	no strobe	
		011	-	255	slow to fast	
CH3	show mode	000	-	007	no movement	
		008	-	022	show mode 1	
		023	-	037	show mode 2	
		038	-	052	show mode 3	
		053	-	067	show mode 4	
		068	-	082	show mode 5	
		083	-	097	show mode 6	
		098	-	112	show mode 7	
		113	-	127	show mode 8	
		128	-	142	show mode 9	
		143	-	157	show mode 10	
		158	-	172	show mode 11	
		173	-	187	show mode 12	
		188	-	202	show mode 13	
		203	-	217	show mode 14	
		218	-	232	show mode 15	
		233	-	247	show mode 16	
		248	-	255	sound control mode	
CH4		000	-	255	show mode speed (slow to fast) / sound sensitivity	
CH5	light control	000	-	030	automatic colour change	
		031	-	255	colour macro (see colour macro table)	
CH6		000	-	255	automatic colour change speed	

<b>Colour Macros:</b>			
031	-	045	R (Red)
046	-	060	G (Green)
061	-	075	B (Blue)
076	-	090	W (White)
091	-	105	RG
106	-	120	RB
121	-	135	RW
136	-	150	GB
151	-	165	GW
166	-	180	BW
181	-	195	RGB
196	-	210	RGW
211	-	225	RBW
226	-	240	GBW
241	-	255	RGBW

<b>10-CH Mode CLHB300RGBW</b>					
CH1	master control	000	-	255	pan
CH2		000	-	255	tilt
CH3		000	-	255	master dimmer 0-100%
CH4	strobe	000	-	010	no strobe
		011	-	255	slow to fast
CH5	show mode	000	-	007	no movement
		008	-	022	show mode 1
		023	-	037	show mode 2
		038	-	052	show mode 3
		053	-	067	show mode 4
		068	-	082	show mode 5
		083	-	097	show mode 6
		098	-	112	show mode 7
		113	-	127	show mode 8
		128	-	142	show mode 9
		143	-	157	show mode 10
		158	-	172	show mode 11
		173	-	187	show mode 12
		188	-	202	show mode 13
		203	-	217	show mode 14
218	-	232	show mode 15		
233	-	247	show mode 16		
248	-	255	sound control mode		
CH6		000	-	255	show mode speed (slow to fast) / sound sensitivity

CH7	light control	000	-	030	automatic colour change
		031	-	255	colour macro (see colour macro table)
CH8		000	-	255	automatic colour change speed (slow to fast)
CH9	fine control	000	-	255	pan fine
CH10		000	-	255	tilt fine

16-CH Mode CLHB300RGBW					
CH1	master dimmer	000	-	255	master dimmer 0-100%
CH2	strobe	000	-	010	no strobe
		011	-	255	slow to fast
CH3	colour control	000	-	255	red dimmer
CH4		000	-	255	green dimmer
CH5		000	-	255	blue dimmer
CH6		000	-	255	white dimmer
CH7	first head	000	-	255	pan
CH8		000	-	255	tilt
CH9		000	-	255	dimmer 0-100%
CH10	second head	000	-	255	pan
CH11		000	-	255	tilt
CH12		000	-	255	dimmer 0-100%
CH13	third head	000	-	255	pan
CH14		000	-	255	tilt
CH15		000	-	255	dimmer 0-100%
CH16	head speed	000	-	255	slow to fast

26-CH Mode CLHB300RGBW						
CH1	master dimmer	000	-	255	dimmer 0-100%	
CH2	strobe	000	-	010	no strobe	
		011	-	255	slow to fast	
CH3	first head	000	-	255	first head, pan	
CH4		000	-	255	first head, pan fine	
CH5		000	-	255	first head, tilt	
CH6		000	-	255	first head, tilt fine	
CH7		000	-	010	first head speed (slowest value til DMX-val011 is reached)	
		011	-	255	first head speed, slow to fast	
CH8		000	-	030	use CH23-CH26 to control colour	
		031	-	255	first head, colour macro (see colour macro table)	
CH9		second head	000	-	255	second head, pan
CH10			000	-	255	second head, pan fine
CH11			000	-	255	second head, tilt
CH12			000	-	255	second head, tilt fine
CH13			000	-	010	second head speed, use speed value from CH7
			011	-	255	second head speed, slow to fast
CH14	000		-	030	use CH23-CH26 to control colour	
	031		-	255	second head, colour macro (see colour macro table)	

CH15	third head	000	-	255	third head, pan
CH16		000	-	255	third head, pan fine
CH17		000	-	255	third head, tilt
CH18		000	-	255	third head, tilt fine
CH19		000	-	010	third head speed, use speed value from CH7
		011	-	255	third head speed, slow to fast
CH20	000	-	030	use CH23-CH26 to control colour	
	031	-	255	third head, colour macro (see colour macro table)	
CH21	sound mode / reset	000	-	199	no function
		200	-	209	reset
		210	-	240	no function
		241	-	255	sound control mode
CH22		000	-	255	sound sensitivity in sound mode
CH23	master colour selection	000	-	255	red dimmer
CH24		000	-	255	green dimmer
CH25		000	-	255	blue dimmer
CH26		000	-	255	white dimmer

**42-CH Mode CLMB300RGBW**

CH1	mechanic control	000	-	255	pan	Head 1
CH2		000	-	255	pan fine	
CH3		000	-	255	tilt	
CH4		000	-	255	tilt fine	
CH5		000	-	255	head speed, slow to fast	
CH6	dimmer	000	-	255	dimmer, 0% - 100%	
CH7	strobe	000	-	010	no-strobe	
		011	-	255	slow to fast	
CH8		000	-	030	use CH10-CH13 to control colour	
	031	-	255	colour macro (see colour macro table)		
CH9	auto mode / sound mode / reset	000	-	007	no function	
		008	-	030	show mode 1	
		031	-	053	show mode 2	
		054	-	076	show mode 3	
		077	-	099	show mode 4	
		100	-	122	sound control mode	
		123	-	199	no function	
		200	-	224	reset	
CH10		225	-	255	no function	
CH11		000	-	255	sound sensitivity / auto mode speed	
CH12	master colour selection	000	-	255	red dimmer	
CH13		000	-	255	green dimmer	
CH14		000	-	255	blue dimmer	
CH14		000	-	255	white dimmer	



CH15	mechanic control	000	-	255	pan	Head 2
CH16		000	-	255	pan fine	
CH17		000	-	255	tilt	
CH18		000	-	255	tilt fine	
CH19		000	-	255	head speed, slow to fast	
CH20	dimmer	000	-	255	dimmer, 0% - 100%	
CH21	strobe	000	-	010	no-strobe	
		011	-	255	slow to fast	
CH22		000	-	030	use CH10-CH13 to control colour	
		031	-	255	colour macro (see colour macro table)	
CH23	auto mode / sound mode / reset	000	-	007	no function	
		008	-	030	show mode 1	
		031	-	053	show mode 2	
		054	-	076	show mode 3	
		077	-	099	show mode 4	
		100	-	122	sound control mode	
		123	-	199	no function	
		200	-	224	reset	
CH24		000	-	255	sound sensitivity / auto mode speed	
CH25	master colour selection	000	-	255	red dimmer	
CH26		000	-	255	green dimmer	
CH27		000	-	255	blue dimmer	
CH28		000	-	255	white dimmer	

CH29	mechanic control	000	-	255	pan	Head 3
CH30		000	-	255	pan fine	
CH31		000	-	255	tilt	
CH32		000	-	255	tilt fine	
CH33		000	-	255	head speed, slow to fast	
CH34	dimmer	000	-	255	dimmer, 0% - 100%	
CH35	strobe	000	-	010	no-strobe	
		011	-	255	slow to fast	
CH36		000	-	030	use CH10-CH13 to control colour	
		031	-	255	colour macro (see colour macro table)	
CH37	auto mode / sound mode / reset	000	-	007	no function	
		008	-	030	show mode 1	
		031	-	053	show mode 2	
		054	-	076	show mode 3	
		077	-	099	show mode 4	
		100	-	122	sound control mode	
		123	-	199	no function	
		200	-	224	reset	
225	-	255	no function			
CH38		000	-	255	sound sensitivity / auto mode speed	
CH39	master colour selection	000	-	255	red dimmer	
CH40		000	-	255	green dimmer	
CH41		000	-	255	blue dimmer	
CH42		000	-	255	white dimmer	