

# HYDRABEAM 4000 RGBW

## DMX CONTROL TABLE



6-CH Mode					
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

colour macro:	
031 - 045	R
046 - 060	G
061 - 075	B
076 - 090	W
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

10-CH Mode					
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

19-CH Mode					
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	fourth head	000	-	255	pan
CH17		000	-	255	tilt
CH18		000	-	255	dimmer 0-100%
CH19	head speed	000	-	255	fast to slow

32-CH Mode						
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 (fastest value until DMX-value 011 is reached)	
		011	-	255	first head speed, fast to slow	
CH8		000	-	030	use CH29-CH32 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, fast to slow	
CH14	000		-	030	use CH29-CH32 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, fast to slow	
CH20		000	-	030	use CH29-CH32 to control colour	
		031	-	255	third head, colour macro (see colour macro table)	

colour macro:	
031 - 045	R
046 - 060	G
061 - 075	B
076 - 090	W
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

CH21	fourth head	000	-	255	fourth head, pan
CH22		000	-	255	fourth head, pan fine
CH23		000	-	255	fourth head, tilt
CH24		000	-	255	fourth head, tilt fine
CH25		000	-	010	fourth head speed, use speed value from CH7
		011	-	255	fourth head speed, fast to slow
CH26	000	-	030	use CH29-CH32 to control colour	
	031	-	255	fourth head, colour macro (see colour macro table)	
CH27	sound mode / reset	000	-	199	no function
		200	-	209	reset
		210	-	240	no function
		241	-	255	sound control mode
CH28		000	-	255	sound sensitivity in sound mode
CH29	master colour selection	000	-	255	red dimmer
CH30		000	-	255	green dimmer
CH31		000	-	255	blue dimmer
CH32		000	-	255	white dimmer

56-CH Mode					
CH1	mechanic control	000	-	255	pan
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 CH11-CH14 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
225	-	255	no function		
CH10		000	-	255	sound sensitivity / auto mode speed
CH11	master colour selection	000	-	255	red dimmer
CH12		000	-	255	green dimmer
CH13		000	-	255	blue dimmer
CH14		000	-	255	white dimmer

Head 1

colour macro:		
031 - 045	R	
046 - 060	G	
061 - 075	B	
076 - 090	W	
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	

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 CH11-CH14 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	

colour macro:	
031 - 045	R
046 - 060	G
061 - 075	B
076 - 090	W
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

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 CH11-CH14 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	

colour macro:	
031 - 045	R
046 - 060	G
061 - 075	B
076 - 090	W
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

CH43	mechanic control	000	-	255	pan	Head 4
CH44		000	-	255	pan fine	
CH45		000	-	255	tilt	
CH46		000	-	255	tilt fine	
CH47		000	-	255	head speed, slow to fast	
CH48	dimmer	000	-	255	dimmer, 0% - 100%	
CH49	strobe	000	-	010	no-strobe	
		011	-	255	slow to fast	
CH50		000	-	030	use CH11-CH14 to control colour	
		031	-	255	colour macro (see colour macro table)	
CH51	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	
CH52		000	-	255	sound sensitivity / auto mode speed	
CH53	master colour selection	000	-	255	red dimmer	
CH54		000	-	255	green dimmer	
CH55		000	-	255	blue dimmer	
CH56		000	-	255	white dimmer	