

# DMX-Protocol

## FUTURELIGHT PHS-200 No. 51838165

Version 1.0

Decimal	Hexad.	Percentage	S/F	Feature	
<b>Control channel 1 - Horizontal movement (Pan) (within 360°)</b>					
Push slider up in order to move the head horizontally (PAN). Gradual head adjustment from one end of the slider to the other (0-255, 128-center). The head can be stopped at any position you wish.					
<b>Control channel 2 - Vertical movement (Tilt) (within 265°)</b>					
Push slider up in order to move the head vertically (TILT). Gradual head adjustment from one end of the slider to the other (0-255, 128-center). The head can be stopped at any position you wish.					
<b>Control channel 3 - Pan/Tilt-speed</b>					
Decimal	Hexad.	Percentage	S/F	Feature	
0	0	0%	0%	S	Maximum speed
1	225	0%	88%	F	Decreasing speed
226	235	89%	92%	S	Blackout with Pan/Tilt-movement
236	245	93%	96%	S	Blackout with colour-change
246	255	96%	100%	S	No function
<b>Control channel 4 - Colour-wheel</b>					
Linear colour change following the movement of the slider. In this way you can stop the colour-wheel in any position. You need to activate this function via control channel 8.					
Decimal	Hexad.	Percentage	S/F	Feature	
0	19	0%	7%	S	Open / white
20	39	8%	15%	S	Red
40	59	16%	23%	S	Blue
60	79	24%	31%	S	Dark green
80	99	31%	39%	S	Kelly green
100	119	39%	47%	S	Salmon pink
120	139	47%	55%	S	Light yellow
140	159	55%	62%	S	Green
160	179	63%	70%	S	Pink
180	199	71%	78%	S	Light blue
200	255	78%	100%	F	Forwards rainbow effect with decreasing speed
<b>Control channel 5 - Rotating gobo-wheel</b>					
Decimal	Hexad.	Percentage	S/F	Feature	
0	13	0%	5%	S	Open
14	27	5%	11%	S	Rot. gobo 1
28	41	11%	16%	S	Rot. gobo 2
42	55	16%	22%	S	Rot. gobo 3
56	69	22%	27%	S	Rot. gobo 4
70	83	27%	33%	S	Rot. gobo 5
84	97	33%	38%	S	Rot. gobo 6
98	115	38%	45%	S	Rot. gobo 7
116	135	45%	53%	F	Gobo 1 shake with increasing speed
136	155	53%	61%	F	Gobo 2 shake with increasing speed
156	175	61%	69%	F	Gobo 3 shake with increasing speed
176	195	69%	76%	F	Gobo 4 shake with increasing speed
196	215	77%	84%	F	Gobo 5 shake with increasing speed
216	235	85%	92%	F	Gobo 6 shake with increasing speed
236	255	93%	100%	F	Gobo 7 shake with increasing speed
<b>Control channel 6 - Gobo rotation</b>					
Decimal	Hexad.	Percentage	S/F	Feature	
0	7	0%	3%	S	No rotation
8	127	3%	50%	F	Forwards gobo rotation with decreasing speed
128	135	50%	53%	S	No rotation
136	255	53%	100%	F	Backwards gobo rotation with increasing speed
<b>Control channel 7 - Shutter, strobe</b>					
Decimal	Hexad.	Percentage	S/F	Feature	
0	31	0%	12%	S	Shutter closed
32	63	13%	25%	S	Close - open
64	159	25%	62%	F	Strobe-effect with increasing speed
160	191	63%	75%	S	No function (shutter open)
192	223	75%	87%	F	Random strobe-effect with increasing speed
224	255	88%	100%	S	No function (shutter open)
<b>Control channel 8 - Switching the lamp, Reset, internal programs</b>					
Decimal	Hexad.	Percentage	S/F	Feature	
0	31	0%	12%	S	Normal colour-change
32	63	13%	25%	S	Colour-change at every position
64	79	25%	31%	S	Lamp on
80	95	31%	37%	S	Reset
96	111	38%	44%	S	Internal program 1
112	127	44%	50%	S	Internal program 2
128	143	50%	56%	S	Internal program 3
144	159	56%	62%	S	Internal program 4
160	175	63%	69%	S	Internal program 5
176	191	69%	75%	S	Internal program 6
192	207	75%	81%	S	Internal program 7
208	223	82%	87%	S	Internal program 8
224	239	88%	94%	S	Lamp off at 1min / air 10min
240	255	94%	100%	S	No function