

FUTURELIGHT PHS-700

DMX-protocol

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Control channel 1 - Horizontal movement (Pan) (within 630°)

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.

Control channel 2 - Vertical movement (Tilt) (within 265°)

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.

Control channel 3 - Pan/Tilt-speed

DMX-value	Feature
0-14	Maximum speed
15-225	Decreasing speed
226-235	Blackout with Pan/Tilt-movement
236-245	Blackout with colour/gobo-change
246-255	No function

Control channel 4 - Colour-wheel 1

DMX-value	Feature
0-15	Open / white
16-31	Light blue
32-47	Salmon pink
48-63	Blue
64-79	Yellow green
80-95	Light yellow
96-111	Magenta
112-127	Orange
128-187	Forwards rainbow effect with decreasing speed
188-193	No rotation
194-255	Backwards rainbow effect with increasing speed

Control channel 5 - Colour-wheel 2

DMX-value	Feature
0-15	Open / white
16-31	Red
32-47	Light blue
48-63	Pink
64-79	Yellow
80-95	Correction-filter 3,200 K
96-111	Correction-filter 5,600 K
112-127	UV-filter
128-187	Forwards rainbow effect with decreasing speed
188-193	No rotation
194-255	Backwards rainbow effect with increasing speed

FUTURELIGHT PHS-700

DMX-protocol

Control channel 6 - Rotating gobo-wheel 1, gobo shake

DMX-value	Feature
0-9	Open
10-19	Rot. gobo 1
20-29	Rot. gobo 2
30-39	Rot. gobo 3
40-49	Rot. gobo 4
50-59	Rot. gobo 5
60-69	Rot. gobo 6
70-89	Gobo 1 shake with increasing speed
90-109	Gobo 2 shake with increasing speed
110-129	Gobo 3 shake with increasing speed
130-149	Gobo 4 shake with increasing speed
150-169	Gobo 5 shake with increasing speed
170-189	Gobo 6 shake with increasing speed
190-255	Cont. gobo-wheel rotation with increasing speed

Control channel 7 - Rotating gobo index, gobo rotation

DMX-value	Feature
0-127	Gobo indexing
128-187	Forwards gobo rotation with decreasing speed
188-193	No rotation
194-255	Backwards gobo rotation with increasing speed

Control channel 8 - Rotating gobo-wheel 2, gobo shake

DMX-value	Feature
0-9	Open
10-19	Rot. gobo 1
20-29	Rot. gobo 2
30-39	Rot. gobo 3
40-49	Rot. gobo 4
50-59	Rot. gobo 5
60-69	Rot. gobo 6
70-89	Gobo 1 shake with increasing speed
90-109	Gobo 2 shake with increasing speed
110-129	Gobo 3 shake with increasing speed
130-149	Gobo 4 shake with increasing speed
150-169	Gobo 5 shake with increasing speed
170-189	Gobo 6 shake with increasing speed
190-255	Cont. gobo-wheel rotation with increasing speed

Control channel 9 - Rotating gobo index, gobo rotation

DMX-value	Feature
0-127	Gobo indexing
128-187	Forwards gobo rotation with decreasing speed
188-193	No rotation
194-255	Backwards gobo rotation with increasing speed

FUTURELIGHT PHS-700

DMX-protocol

Control channel 10 - Rotating 3-facet-prism, macros

DMX-value	Feature
0-3	Open
4-63	Forwards rotation with decreasing speed
64-67	No rotation
68-127	Backwards rotation with increasing speed
128-135	Macro 1
136-143	Macro 2
144-151	Macro 3
152-159	Macro 4
160-167	Macro 5
168-175	Macro 6
176-183	Macro 7
184-191	Macro 8
192-199	Macro 9
200-207	Macro 10
208-215	Macro 11
216-223	Macro 12
224-231	Macro 13
232-239	Macro 14
240-247	Macro 15
248-255	Macro 16

Control channel 11 - Focus

DMX-value	Feature
0 - 255	Continuous adjustment from near to far

Control channel 12 – Iris

DMX-value	Feature
0-191	Max. diameter to Min. diameter
192-223	Pulse closing with decreasing speed
224-255	Pulse opening with increasing speed

Control channel 13 - Shutter, strobe

DMX-value	Feature
0-31	Shutter closed
32-63	Dimmer control activated (channel 14)
64-95	Strobe-effect with increasing speed (max. 13 flashes/sec.)
96-127	No function (shutter open)
128-159	Pulse-effect in sequences
160-191	No function (shutter open)
192-223	Random strobe-effect with increasing speed
224-255	No function (shutter open)

Control channel 14 - Dimmer intensity

This channel is only active if channel 13 is set to 32-63.
You can invert the dimmer via the RDIM function.

DMX-value	Feature
0-255	Gradual adjustment of the dimmer intensity from 100 to 0 %

FUTURELIGHT PHS-700 DMX-protocol

Control channel 15 - Switching the lamp, Reset, internal programs

DMX-value	Feature
0-15	Normal colour-change, search position via shortest distance
16-31	Normal colour-change, search position clockwise
32-47	Colour-change at every position, search position via shortest distance
48-63	Colour-change at every position, search position clockwise
64-79	Lamp on
80-95	Reset
96-111	Internal program 1
112-127	Internal program 2
128-143	Internal program 3
144-159	Internal program 4
160-175	Internal program 5
176-191	Internal program 6
192-207	Internal program 7
208-223	Internal program 8
224-239	Lamp off
240-255	No function

Control channel 16 - Pan-movement with 16 Bit-resolution

Control channel 17 - Tilt-movement with 16 Bit-resolution