

FUTURELIGHT PHW-250

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-change
246-255	No function

Control channel 4 - Colour-wheel 1

Linear colour change following the movement of the slider. In this way you can stop the colour-wheel in any position.

DMX-value	Feature
0-25	Open/white
26-51	Deep red
52-77	Blue
78-103	Green
104-127	Orange
128-189	Forwards rainbow effect with decreasing speed
190-191	No rotation
192-255	Backwards rainbow effect with increasing speed

Control channel 5 – Cyan

DMX-value	Feature
0-255	Cyan (0=white, 255=cyan)

Control channel 6 – Magenta

DMX-value	Feature
0-255	Magenta (0=white, 255=magenta)

Control channel 7 – Yellow

DMX-value	Feature
0-255	Yellow (0=white, 255=yellow)

Control channel 8 – Effect-wheel

DMX-value	Feature
0-70	Full beam
71-230	Beam shaper
231-255	Frost filter

Control channel 9 – Zoom

DMX-value	Feature
0-255	Zoom 28° - Zoom 7°

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Control channel 10 - Shutter, strobe

DMX-value	Feature
0-31	Shutter closed
32-63	Dimmer control activated (channel 11)
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	Shutter permanently open (no dimmer control)

Control channel 11 - Dimmer intensity

This channel is only active if channel 10 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 %

Control channel 12 - 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 13 - Pan-movement with 16 Bit-resolution

Control channel 14 - Tilt-movement with 16 Bit-resolution