

## SPOT 250 XT- DMX PROTOCOL

| Mode 1 channel | Mode 2 channel | 8 bit channel | Value  | Function  | Type of control  |
|----------------|----------------|---------------|--|---|--|
| 1              | 1              | 1             | 0-255  | <b>Pan</b><br>Pan movement by 530°  | proportional   |
| 2              | 3              | 2             | 0-255  | <b>Tilt</b><br>Tilt movement by 280°  | proportional   |
| 3              | 2              |               | 0-255  | <b>Pan fine</b><br>Fine control of pan movement   | proportional   |
| 4              | 4              |               | 0-255  | <b>Tilt fine</b><br>Fine control of tilt movement   | proportional   |
| 5              | 5              | 3             | 0<br>1-249<br>250-255  | <b>Speed of PAN/TILT movement</b><br>Max. speed (tracking mode)<br>From max. speed to min.speed (vector mode)<br>Max. speed,black-out while PAN,TILT moving or colour changes (tracking mode)   | step<br>proportional<br>step   |
| 6              | 6              | 4             | 0-127<br>128-139<br>140-229<br>230-239<br>240-255  | <b>Lamp on/off,reset,fans speed control</b><br>From max.speed of fan to min. speed of fan<br>Lamp on,reset,<br>No function<br>Lamp off after 3 sec<br>No function   | proportional<br>step<br>step<br>step<br>step   |
| 7              | 7              | 5             | 0<br>10<br>21<br>32<br>42<br>53<br>64<br>74<br>85<br>96<br>106<br>117<br>128-189<br>190-193<br>194-255                   | <b>Colours</b><br>Open/white<br>Turquoise<br>Red<br>Cyan<br>Green<br>Magenta<br>Light Blue<br>Yellow<br>Green<br>Pink<br>Blue<br>Orange<br>Forwards rainbow effect from fast to slow<br>No rotation<br>Backwards rainbow effect from slow to fast | proportional<br>proportional<br>proportional<br>proportional<br>proportional<br>proportional<br>proportional<br>proportional<br>proportional<br>proportional<br>proportional<br>proportional<br>proportional<br>proportional<br>proportional |
| 8              | 8              | 6             |  | <b>No function</b>  |  |
| 9              | 9              | 7             | 0-95<br>96-159<br><b>160-255</b><br>160-167<br>168-175<br>176-183<br>184-191<br>192-199<br>200-207<br>208-215<br>216-223 | <b>Effect-wheel</b><br>Open position (hole)<br>3-facet rotating prism<br><b>Prism/gobo macros</b><br>Macro 1<br>Macro 2<br>Macro 3<br>Macro 4<br>Macro 5<br>Macro 6<br>Macro 7<br>Macro 8   | step<br>step<br><b>step</b><br>step<br>step<br>step<br>step<br>step<br>step<br>step  |

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| 9              | 9              | 7             | 224-231<br>232-239<br>240-247<br>248-255                                     | Macro 9<br>Macro 10<br>Macro 11<br>Macro 12  | step<br>step<br>step<br>step   |
| 10             | 10             | 8             | 0<br>1-126<br>127-128<br>129-255   | <b>3 facet prism rotation control</b><br>No rotation<br>Forwards rotation from fast to slow<br>No rotation<br>Backwards rotation from slow to fast   | step<br>proportional<br>step<br>proportional   |
| 11             | 11             | 9             | 0-31<br>32-63<br>64-95<br>96-127<br>128-159<br>160-191<br>192-223<br>224-255 | <b>Rotating gobos</b><br>Open<br>Rot. gobo 1 (multicolour dichroic)<br>Rot. gobo 2 (glass)<br>Rot. gobo 3 (metal)<br>Rot. gobo 4 (metal)<br>Rot. gobo 5 (metal)<br>Rot. gobo 6 (metal)<br>Rot. gobo wheel cont.rotation from slow to fast  | step<br>step<br>step<br>step<br>step<br>step<br>step<br>proportional                 |
| 12             | 12             | 10            | 0-127<br>128-190<br>191-192<br>193-255                                       | <b>Rotating gobo index,rotating gobo rotation</b><br>Gobo indexing<br>Forwards gobo rotation from fast to slow<br>No rotation<br>Backwards gobo rotation from slow to fast   | proportional<br>proportional<br>step<br>proportional                                 |
| 13             | 13             | 11            |  | <b>No function</b>   |  |
| 14             | 14             | 12            | 0-255  | <b>Focus</b><br>Continuous adjustment from far to near   | proportional   |
| 15             | 15             | 13            | 0-31<br>32-63<br>64-95<br>96-127<br>128-159<br>160-191<br>192-223<br>224-255 | <b>Shutter,Strobe</b><br>Shutter closed<br>No function (shutter open)<br>Strobe-effect from slow to fast<br>(max. 10 flashes/second)<br>No function (shutter open)<br>Pulse -effect in sequences<br>No function (shutter open)<br>Random strobe-effect from slow to fast<br>No function (shutter open) | step<br>step<br>proportional<br>step<br>proportional<br>step<br>proportional<br>step |
| 16             | 16             | 14            | 0-255  | <b>Dimmer intensity</b><br>Gradual adjustment of the dimmer intensity from 0 to 100%   | proportional   |