

ROOT® PAR BATTERY

5 × 4 W RGBW LED PAR SPOTLIGHT

DMX CONTROL TABLE - FIRMWARE VERSION 1.1 AND LATER



| DMX Modes without DMX-Delay Channel | | | | | | |
|-------------------------------------|------|-------------------------|--------|---|-----|---|
| 2CH | 4CH1 | Function | Values | | | |
| 1 | 1 | Dimmer | 000 | - | 255 | 0% to 100% |
| | | Multi-functional Strobe | 000 | - | 005 | Strobe open |
| | | | 006 | - | 010 | Strobe closed |
| | | | 011 | - | 022 | Ramp up/down, slow -> fast |
| | | | 023 | - | 033 | Ramp up/down random, slow->fast |
| | | | 034 | - | 045 | Ramp up, slow -> fast |
| | | | 046 | - | 056 | Ramp up random, slow -> fast |
| | | | 057 | - | 068 | Ramp down, slow -> fast |
| | | | 069 | - | 079 | Ramp down random, slow -> fast |
| | | | 080 | - | 102 | Random Strobe effect, slow -> fast |
| | | | 103 | - | 127 | Strobe Break effect, 5s.....1s (short burst with break) |
| | | | 128 | - | 250 | Strobe slow -> fast <1Hz - 20Hz |
| | | | 251 | - | 255 | Strobe open |

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| | | | | | | |
|-----|---|--|--------------|---|-----|---|
| 2 | 3 | Color Presets & Color Jumping & Color Fading & User Colors | 000 | - | 005 | Color off |
| | | | 006 | - | 013 | Red |
| | | | 014 | - | 021 | Amber |
| | | | 022 | - | 029 | Yellow warm |
| | | | 030 | - | 037 | Yellow |
| | | | 038 | - | 045 | Green |
| | | | 046 | - | 053 | Turquoise |
| | | | 054 | - | 061 | Cyan |
| | | | 062 | - | 069 | Blue |
| | | | 070 | - | 077 | Lavender |
| | | | 078 | - | 085 | Mauve |
| | | | 086 | - | 093 | Magenta |
| | | | 094 | - | 101 | Pink |
| | | | 102 | - | 109 | Warm White |
| | | | 110 | - | 117 | White |
| | | | 118 | - | 125 | Cold White |
| | | | 126 | - | 127 | Color Jumping stop |
| | | | 128 | - | 164 | Color Jumping speed slow -> fast / Color 1 -> 12 |
| | | | 165 | - | 201 | Color Fading speed slow -> fast / Color 1 -> 12 |
| | | | 202 | - | 207 | User Color_1 |
| 208 | - | 213 | User Color_2 | | | |
| 214 | - | 219 | User Color_3 | | | |
| 220 | - | 225 | User Color_4 | | | |
| 226 | - | 255 | no function | | | |
| | 4 | Sound (triggers Strobe, Color Jumping & Fading) | 000 | - | 005 | Sound Control off |
| | | | 006 | - | 255 | Sound Control on, mic sensitivity low -> high |
| | | | | | | |

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| DMX Modes without DMX-Delay Channel | | | | | | |
|-------------------------------------|-----|-----------------|-------------------------------------|--------|---|---|
| 4CH2 | 6CH | 9CH | Function | Values | | |
| | 1 | 1 | Dimmer | 000 | - | 255 0% to 100% |
| | | 2 | Dimmer fine | 000 | - | 255 0% to 100% |
| | 2 | | Strobe | 000 | - | 005 Strobe open |
| | | | | 006 | - | 255 Strobe slow -> fast <1Hz - 20Hz |
| | 3 | | Multi-functional Strobe | 000 | - | 005 Strobe open |
| | | | | 006 | - | 010 Strobe closed |
| | | | | 011 | - | 022 Ramp up/down, slow -> fast |
| | | | | 023 | - | 033 Ramp up/down random, slow->fast |
| | | | | 034 | - | 045 Ramp up, slow -> fast |
| | | | | 046 | - | 056 Ramp up random, slow -> fast |
| | | | | 057 | - | 068 Ramp down, slow -> fast |
| | | | | 069 | - | 079 Ramp down random, slow -> fast |
| | | | | 080 | - | 102 Random Strobe effect, slow -> fast |
| | | | | 103 | - | 127 Strobe Break effect, 5s.....1s (short burst with break) |
| | 128 | - | 250 Strobe slow -> fast <1Hz - 20Hz | | | |
| 251 | - | 255 Strobe open | | | | |
| 1 | 3 | 4 | Red | 000 | - | 255 0% to 100% |
| 2 | 4 | 5 | Green | 000 | - | 255 0% to 100% |
| 3 | 5 | 6 | Blue | 000 | - | 255 0% to 100% |
| 4 | 6 | 7 | White | 000 | - | 255 0% to 100% |

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| | | | | | | | |
|---|--|-----|---|-----|---|-----|--|
| 8 | Color Presets & Color Jumping & Color Fading & User Colors | 000 | - | 005 | Color off | | |
| | | 006 | - | 013 | Red | | |
| | | 014 | - | 021 | Amber | | |
| | | 022 | - | 029 | Yellow warm | | |
| | | 030 | - | 037 | Yellow | | |
| | | 038 | - | 045 | Green | | |
| | | 046 | - | 053 | Turquoise | | |
| | | 054 | - | 061 | Cyan | | |
| | | 062 | - | 069 | Blue | | |
| | | 070 | - | 077 | Lavender | | |
| | | 078 | - | 085 | Mauve | | |
| | | 086 | - | 093 | Magenta | | |
| | | 094 | - | 101 | Pink | | |
| | | 102 | - | 109 | Warm White | | |
| | | 110 | - | 117 | White | | |
| | | 118 | - | 125 | Cold White | | |
| | | 126 | - | 127 | Color Jumping stop | | |
| | | 128 | - | 164 | Color Jumping speed slow -> fast / Color 1 -> 12 | | |
| | | 165 | - | 201 | Color Fading speed slow -> fast / Color 1 -> 12 | | |
| | | 202 | - | 207 | User Color_1 | | |
| | | 208 | - | 213 | User Color_2 | | |
| | | 214 | - | 219 | User Color_3 | | |
| | | 220 | - | 225 | User Color_4 | | |
| | | 226 | - | 255 | no function | | |
| | | 9 | Sound (triggers Strobe, Color Jumping & Fading) | 000 | - | 005 | Sound Control off |
| | | | | 006 | - | 255 | Sound Control on, mic sensitivity low -> high |

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DMX CONTROL TABLE - FIRMWARE VERSION 1.1 AND LATER



| DMX Modes without DMX-Delay Channel | | | | |
|-------------------------------------|------------------------|------------------|---|-------------------------------------|
| 5CH | Function | Values | | |
| 1 | Dimmer | 000 | - | 255 0% to 100% |
| 2 | Strobe | 000 | - | 005 Strobe open |
| | | 006 | - | 255 Strobe slow -> fast <1Hz - 20Hz |
| 3 | Chase of Ch 4 and Ch 5 | 000 | - | 005 No Chase, Color Preset 1 is on |
| | | 006 | - | 026 Jump 10,0s -> 4,0s |
| | | 027 | - | 127 Jump 4,0s -> 0,1s |
| | | 128 | - | 148 Fade 10,0s -> 4,0s |
| | | 149 | - | 255 Fade 4,0s -> 0,1s |
| 4 | Color Presets 1 | 000 | - | 005 Color off |
| | | 006 | - | 013 Red |
| | | 014 | - | 021 Amber |
| | | 022 | - | 029 Yellow warm |
| | | 030 | - | 037 Yellow |
| | | 038 | - | 045 Green |
| | | 046 | - | 053 Turquoise |
| | | 054 | - | 061 Cyan |
| | | 062 | - | 069 Blue |
| | | 070 | - | 077 Lavender |
| | | 078 | - | 085 Mauve |
| | | 086 | - | 093 Magenta |
| | | 094 | - | 101 Pink |
| | | 102 | - | 109 Warm White |
| | | 110 | - | 117 White |
| | | 118 | - | 125 Cold White |
| | | 126 | - | 201 no function |
| | | 202 | - | 207 User Color_1 |
| 208 | - | 213 User Color_2 | | |
| 214 | - | 219 User Color_3 | | |
| 220 | - | 225 User Color_4 | | |
| 226 | - | 255 no function | | |
| 5 | Color Presets 2 | 000 | - | 255 same as Color Presets 1 |
| | | | | |
| | | | | |

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DMX CONTROL TABLE - FIRMWARE VERSION 1.1 AND LATER



| DMX Modes with DMX-Delay Channel | | | | | | |
|----------------------------------|-------|-------------------------|--------|---|-----|---|
| D3CH | D5CH1 | Function | Values | | | |
| 1 | 1 | Dimmer | 000 | - | 255 | 0% to 100% |
| | 2 | Multi-functional Strobe | 000 | - | 005 | Strobe open |
| | | | 006 | - | 010 | Strobe closed |
| | | | 011 | - | 022 | Ramp up/down, slow -> fast |
| | | | 023 | - | 033 | Ramp up/down random, slow->fast |
| | | | 034 | - | 045 | Ramp up, slow -> fast |
| | | | 046 | - | 056 | Ramp up random, slow -> fast |
| | | | 057 | - | 068 | Ramp down, slow -> fast |
| | | | 069 | - | 079 | Ramp down random, slow -> fast |
| | | | 080 | - | 102 | Random Strobe effect, slow -> fast |
| | | | 103 | - | 127 | Strobe Break effect, 5s.....1s (short burst with break) |
| | | | 128 | - | 250 | Strobe slow -> fast <1Hz - 20Hz |
| | | | 251 | - | 255 | Strobe open |

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| | | | | | | |
|-----|---|--|--------------|---|-----|--|
| 2 | 3 | Color Presets & Color Jumping & Color Fading & User Colors | 000 | - | 005 | Color off |
| | | | 006 | - | 013 | Red |
| | | | 014 | - | 021 | Amber |
| | | | 022 | - | 029 | Yellow warm |
| | | | 030 | - | 037 | Yellow |
| | | | 038 | - | 045 | Green |
| | | | 046 | - | 053 | Turquoise |
| | | | 054 | - | 061 | Cyan |
| | | | 062 | - | 069 | Blue |
| | | | 070 | - | 077 | Lavender |
| | | | 078 | - | 085 | Mauve |
| | | | 086 | - | 093 | Magenta |
| | | | 094 | - | 101 | Pink |
| | | | 102 | - | 109 | Warm White |
| | | | 110 | - | 117 | White |
| | | | 118 | - | 125 | Cold White |
| | | | 126 | - | 127 | Color Jumping stop |
| | | | 128 | - | 164 | Color Jumping speed slow -> fast / Color 1 -> 12 |
| | | | 165 | - | 201 | Color Fading speed slow -> fast / Color 1 -> 12 |
| | | | 202 | - | 207 | User Color_1 |
| 208 | - | 213 | User Color_2 | | | |
| 214 | - | 219 | User Color_3 | | | |
| 220 | - | 225 | User Color_4 | | | |
| 226 | - | 255 | no function | | | |
| | 4 | Sound (triggers Strobe, Color Jumping & Fading) | 000 | - | 005 | Sound Control off |
| | | | 006 | - | 255 | Sound Control on, mic sensitivity low -> high |
| 3 | 5 | DMX Delay | 000 | - | 005 | No Delay |
| | | | 006 | - | 255 | 0,1s -> 2,0s |
| | | | | | | |

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| DMX Modes with DMX-Delay Channel | | | | | | | |
|----------------------------------|------|-------|-------------------------|---------------------------------|---|-----|---|
| D5CH2 | D7CH | D10CH | Function | Values | | | |
| | 1 | 1 | Dimmer | 000 | - | 255 | 0% to 100% |
| | | 2 | Dimmer fine | 000 | - | 255 | 0% to 100% |
| | 2 | | Strobe | 000 | - | 005 | Strobe open |
| | | | | 006 | - | 255 | Strobe slow -> fast <1Hz - 20Hz |
| | 3 | | Multi-functional Strobe | 000 | - | 005 | Strobe open |
| | | | | 006 | - | 010 | Strobe closed |
| | | | | 011 | - | 022 | Ramp up/down, slow -> fast |
| | | | | 023 | - | 033 | Ramp up/down random, slow->fast |
| | | | | 034 | - | 045 | Ramp up, slow -> fast |
| | | | | 046 | - | 056 | Ramp up random, slow -> fast |
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| | | | | 069 | - | 079 | Ramp down random, slow -> fast |
| | | | | 080 | - | 102 | Random Strobe effect, slow -> fast |
| | | | | 103 | - | 127 | Strobe Break effect, 5s.....1s (short burst with break) |
| | 128 | - | 250 | Strobe slow -> fast <1Hz - 20Hz | | | |
| 251 | - | 255 | Strobe open | | | | |
| 1 | 3 | 4 | Red | 000 | - | 255 | 0% to 100% |
| 2 | 4 | 5 | Green | 000 | - | 255 | 0% to 100% |
| 3 | 5 | 6 | Blue | 000 | - | 255 | 0% to 100% |
| 4 | 6 | 7 | White | 000 | - | 255 | 0% to 100% |

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| | | | | | | | |
|---|---|-----|--|-----|--------------|-----|---|
| | | 8 | Color Presets & Color Jumping & Color Fading & User Colors | 000 | - | 005 | Color off |
| | | | | 006 | - | 013 | Red |
| | | | | 014 | - | 021 | Amber |
| | | | | 022 | - | 029 | Yellow warm |
| | | | | 030 | - | 037 | Yellow |
| | | | | 038 | - | 045 | Green |
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| | | | | 086 | - | 093 | Magenta |
| | | | | 094 | - | 101 | Pink |
| | | | | 102 | - | 109 | Warm White |
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| | | | | 126 | - | 127 | Color Jumping stop |
| | | | | 128 | - | 164 | Color Jumping speed slow -> fast / Color 1 -> 12 |
| | | | | 165 | - | 201 | Color Fading speed slow -> fast / Color 1 -> 12 |
| | | | | 202 | - | 207 | User Color_1 |
| | | 208 | - | 213 | User Color_2 | | |
| | | 214 | - | 219 | User Color_3 | | |
| | | 220 | - | 225 | User Color_4 | | |
| | | 226 | - | 255 | no function | | |
| | | 9 | Sound (triggers Strobe, Color Jumping & Fading) | 000 | - | 005 | Sound Control off |
| | | | | 006 | - | 255 | Sound Control on, mic sensitivity low -> high |
| 5 | 7 | 10 | DMX Delay | 000 | - | 005 | No Delay |
| | | | | 006 | - | 255 | 0,1s -> 2,0s |

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| DMX Modes with DMX-Delay Channel | | | | |
|----------------------------------|------------------------|------------------|---|-------------------------------------|
| D6CH | Function | Values | | |
| 1 | Dimmer | 000 | - | 255 0% to 100% |
| 2 | Strobe | 000 | - | 005 Strobe open |
| | | 006 | - | 255 Strobe slow -> fast <1Hz - 20Hz |
| 3 | Chase of Ch 4 and Ch 5 | 000 | - | 005 No Chase, Color Preset 1 is on |
| | | 006 | - | 026 Jump 10,0s -> 4,0s |
| | | 027 | - | 127 Jump 4,0s -> 0,1s |
| | | 128 | - | 148 Fade 10,0s -> 4,0s |
| | | 149 | - | 255 Fade 4,0s -> 0,1s |
| 4 | Color Presets 1 | 000 | - | 005 Color off |
| | | 006 | - | 013 Red |
| | | 014 | - | 021 Amber |
| | | 022 | - | 029 Yellow warm |
| | | 030 | - | 037 Yellow |
| | | 038 | - | 045 Green |
| | | 046 | - | 053 Turquoise |
| | | 054 | - | 061 Cyan |
| | | 062 | - | 069 Blue |
| | | 070 | - | 077 Lavender |
| | | 078 | - | 085 Mauve |
| | | 086 | - | 093 Magenta |
| | | 094 | - | 101 Pink |
| | | 102 | - | 109 Warm White |
| | | 110 | - | 117 White |
| | | 118 | - | 125 Cold White |
| | | 126 | - | 201 no function |
| | | 202 | - | 207 User Color_1 |
| 208 | - | 213 User Color_2 | | |
| 214 | - | 219 User Color_3 | | |
| 220 | - | 225 User Color_4 | | |
| 226 | - | 255 no function | | |
| 5 | Color Presets 2 | 000 | - | 255 same as Color Presets 1 |
| 6 | DMX Delay | 000 | - | 005 No Delay |
| | | 006 | - | 255 0,1s -> 2,0s |