

AYRTON MagicRing R9

DMX channel's functions and their values (260 DMX channels):

| Mode/Channel | | | | Value | Function |
|--------------|----|----------|-----|---|--|
| St | Ba | Ex LOW | Ex | | |
| 1 | 1 | 1 | 1 | 0-255 | PAN Movement 8bit : Pan Movement |
| 2 | | 2 | 2 | 0-255 | Pan Fine 16bit Fine control of Pan movement |
| 3 | 2 | 3 | 3 | 0-255 | TILT Movement 8bit : Tilt Movement |
| 4 | | 4 | 4 | 0-255 | Tilt Fine 16bit Fine control of Tilt movement |
| 5 | 3 | NOT USED | 5 | 0-225 226-235 236-255 | Speed Pan/Tilt movement: max to min speed blackout by movement no function |
| 6 | 4 | | 6 | | Pan Motor continuous rotation 0-127 no function 128-189 Forwards Pan rotation from fast to slow 190-193 No rotation 194-255 Backwards Pan rotation from slow to fast |
| 7 | 5 | | 7 | | Tilt Motor continuous rotation 0-127 no function 128-189 Forwards Tilt rotation from fast to slow 190-193 No rotation 194-255 Backwards Tilt rotation from slow to fast |
| 8 | 6 | | | 0-255 | Red LED -all arrays : Red (0-Black , 255-100% Red) |
| 9 | 7 | | | 0-255 | Green LED-all arrays : Green (0-Black , 255-100% Green) |
| 10 | 8 | | | 0-255 | Blue LED -all arrays : Blue (0-Black , 255-100% Blue) |
| 11 | 9 | | | 0-255 | White LED -all arrays : White (0-Black , 255-100% White) |
| | | 12 | 17 | 0-255 | Red LED -array 1 : Red (0-Black , 255-100% Red) |
| | | 13 | 18 | 0-255 | Green LED-array 1 : Green (0-Black , 255-100% Green) |
| | | 14 | 19 | 0-255 | Blue LED -array 1 : Blue (0-Black , 255-100% Blue) |
| | | 15 | 20 | 0-255 | White LED -array 1 : White (0-Black , 255-100% White) |
| | | 16 | 21 | 0-255 | Red LED -array 2 : Red (0-Black , 255-100% Red) |
| | | 17 | 22 | 0-255 | Green LED-array 2 : Green (0-Black , 255-100% Green) |
| | | 18 | 23 | 0-255 | Blue LED -array 2 : Blue (0-Black , 255-100% Blue) |
| | | 19 | 24 | 0-255 | White LED -array 2 : White (0-Black , 255-100% White) |
| | | | | | |
| | | 252 | 257 | 0-255 | Red LED -array 61 : Red (0-Black , 255-100% Red) |
| | | 253 | 258 | 0-255 | Green LED-array 61 : Green (0-Black , 255-100% Green) |
| | | 254 | 259 | 0-255 | Blue LED -array 61 : Blue (0-Black , 255-100% Blue) |
| | | 255 | 260 | 0-255 | White LED -array 61 : White (0-Black , 255-100% White) |
| 12 | 10 | 7 | 8 | 0-31 32-53 54-63 64-95 96-127 | Shutter, strobe: Led trun off Led turn on All motor reset (only for Extended LOW mode else LED TURN ON) Strobe effect slow to fast Led turn on |

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|----|----|----------------|----|---------|---------------------------------------|
| | | | | 128-159 | Pulse-effect in sequences |
| | | | | 160-191 | Led turn on |
| | | | | 192-223 | Random strobe effect slow to fast |
| | | | | 224-255 | Led turn on |
| 13 | 11 | 8 | 9 | | Dimmer intensity: |
| | | | | 0-255 | Intensity 0 to 100% |
| 14 | 12 | 9 See below | 10 | | Color Macro: |
| | | | | 0-7 | No function |
| | | | | 8-39 | from RED to YELLOW |
| | | | | 40-71 | from YELLOW to GREEN |
| | | | | 72-103 | from GREEN to CYAN |
| | | | | 104-135 | from CYAN to BLUE |
| | | | | 136-167 | from BLUE to MAGENTA |
| | | | | 168-199 | from MAGENTA to RED |
| | | | | 200-231 | from RED to WHITE |
| | | | | 232-255 | Crossfading colours from slow to fast |
| 15 | 13 | | 11 | | Color Presets: |
| | | | | 0-9 | No function |
| | | | | 10-19 | White2700k |
| | | | | 20-29 | White3200k |
| | | | | 30-39 | White4200k |
| | | | | 40-49 | White5600k |
| | | | | 50-59 | White6500k |
| | | | | 60-69 | White8000k |
| | | | | 70-79 | Yellow |
| | | | | 80-89 | Magenta |
| | | | | 90-99 | Cyan |
| | | | | 100-109 | Salmon |
| | | | | 110-119 | Turquoise |
| | | | | 120-129 | Light Green |
| | | | | 130-139 | Steel Blue |
| | | | | 140-149 | Orange |
| | | | | 150-159 | Straw |
| | | | | 160-169 | Pale Lavander |
| | | | | 170-179 | Pink |
| | | | | 180-189 | Red |
| | | | | 190-199 | Green |
| | | | | 200-209 | Blue |
| | | | | 210-219 | White |
| | | | | 220-255 | Reserved |
| 19 | 17 | NOT USED | 15 | | Color Presets Dimmer: |
| | | | | 0-255 | Dimmer 0 to100% |
| | | | | | Chase Patterns: |
| | | | | 0-9 | Led trun off |
| | | | | 10-12 | Chase 1 |
| | | | | 13-15 | Chase 2 |
| | | | | 16-18 | Chase 3 |
| | | | | 19-21 | Chase 4 |
| | | | | 22-24 | Chase 5 |
| | | | | 25-27 | Chase 6 |
| | | | | 28-30 | Chase 7 |
| | | | | 31-33 | Chase 8 |
| | | | | 34-36 | Chase 9 |
| | | | | 37-39 | Chase 10 |
| | | | | 40-42 | Chase 11 |
| | | | | 43-45 | Chase 12 |
| | | | | 46-48 | Chase 13 |
| | | | | 49-51 | Chase 14 |
| | | | | 52-54 | Chase 15 |
| | | | | 55-57 | Chase 16 |
| | | | | 58-60 | Chase 17 |
| | | | | 61-63 | Chase 18 |
| | | | | 64-66 | Chase 19 |
| | | | | 67-69 | Chase 20 |
| | | | | 70-72 | Chase 21 |
| | | | | 73-75 | Chase 22 |
| | | | | 76-78 | Chase 23 |
| | | | | 79-81 | Chase 24 |
| | | | | 82-84 | Chase 25 |
| | | | | 85-87 | Chase 26 |
| | | | | 88-90 | Chase 27 |
| | | | | 91-93 | Chase 28 |
| | | | | 94-96 | Chase 29 |

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|----|----|-----------------|----|---|
| 16 | 14 | 10 | 12 | 97-99 Chase 30 100-102 Chase 31 103-105 Chase 32 106-108 Chase 33 109-111 Chase 34 112-114 Chase 35 115-117 Chase 36 118-120 Chase 37 121-123 Chase 38 124-126 Chase 39 127-129 Chase 40 130-132 Chase 41 133-135 Chase 42 136-138 Chase 43 139-141 Chase 44 142-144 Chase 45 145-147 Chase 46 148-150 Chase 47 151-153 Chase 48 154-156 Chase 49 157-159 Chase 50 160-162 Chase 51 163-165 Chase 52 166-168 Chase 53 169-171 Chase 54 172-174 Chase 55 175-177 Chase 56 178-180 Chase 57 181-183 Chase 58 184-186 Chase 59 187-189 Chase 60 190-192 Chase 61 193-195 Chase 62 196-198 Chase 63 199-201 Chase 64 202-204 Chase 65 205-207 Chase 66 208-210 Chase 67 211-213 Chase 68 214-216 Chase 69 217-219 Chase 70 220-222 Chase 71 223-225 Chase 72 226--255 Reserved |
| 17 | 15 | 11 See below | 13 | <u>Chase Speed: for Ba/St/Ex ONLY</u> 0-125 Fast to Slow Backward 126-130 Stop(Speed=0) 131-255 Slow to Fast Forward |
| 18 | 16 | NOT USED | 14 | <u>Chase Fade:</u> 0-255 Fade Chase |
| 20 | 18 | NOT USED | 16 | <u>Reset, internal programs:</u> 0-79 Normal 80-84 All motor reset 85-87 Scan motor reset 88-90 no function 91-93 no function 94-96 no function 97-99 no function 100-119 Internal program 1 (secne1~8 of EEPROM) 120-139 Internal program 2 (secne9~16 of EEPROM) 140-159 Internal program 3 (secne17~24 of EEPROM) 160-179 Internal program 4 (secne25~32 of EEPROM) 180-199 Internal program 5 (secne33~40 of EEPROM) 200-219 Internal program 6 (secne41~48 of EEPROM) 220-239 Internal program 7 (secne49~56 of EEPROM) 240-255 Music Control (secne of Program 1) |

Color for Ex LOW only

| | |
|---------|---------------------------------------|
| 0-7 | No function |
| 8-39 | from RED to YELLOW |
| 40-71 | from YELLOW to GREEN |
| 72-103 | from GREEN to CYAN |
| 104-135 | from CYAN to BLUE |
| 136-167 | from BLUE to MAGENTA |
| 168-199 | from MAGENTA to RED |
| 200-213 | Crossfading colours from slow to fast |
| 214-215 | White2700k |
| 216-217 | White3200k |
| 218-219 | White4200k |
| 220-221 | White5600k |
| 222-223 | White6500k |
| 224-225 | White8000k |
| 226-227 | Yellow |
| 228-229 | Magenta |
| 230-231 | Cyan |
| 232-233 | Salmon |
| 234-235 | Turquoise |
| 236-237 | Light Green |
| 238-239 | Steel Blue |
| 240-241 | Orange |
| 242-243 | Straw |
| 244-245 | Pale Lavander |
| 246-247 | Pink |
| 248-249 | Red |
| 250-251 | Green |
| 252-253 | Blue |
| 254-255 | White |

Chase Speed: Ex LOW ONLY

| | |
|---------|--------------------------------------|
| 0-39 | Fast to Slow Backward with no FADE |
| 40-45 | Stop(Speed=0) |
| 46-85 | Slow to Fast Forward with no FADE |
| 86-125 | Slow to Fast Forward with 50% FADE |
| 126-131 | Stop(Speed=0) |
| 131-170 | Fast to Slow Backward with 50% FADE |
| 171-210 | Fast to Slow Backward with 100% FADE |
| 211-216 | Stop(Speed=0) |
| 216-255 | Slow to Fast Forward with 100% FADE |