Chauvet Professional

Rogue R2X Wash



Manufacturer	**Chauvet Professional**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**22, 23, 54 channels**
Beam angle	**8-66.1°**
Pan range	**540°**
Tilt range	**270°**
Heads / cells	**6**
Size (W × H × D)	**215 × 178 × 215 mm**
GDTF fixture type	**01D9870A-3CCC-4299-B6F6-81…**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Effect speed · Strobe · Dimmer · Pixel control · Pan and tilt · Movement speed · Gobos

Safety-relevant functions

Fixture reset · Service functions · Built-in effect programmes

DMX modes

22ch	22 ch
23ch	23 ch
54ch	54 ch

22ch

22 channels

Ch	Function	Default	DMX values
1	Pan	85	
2	Pan Fine	85	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Dimmer	0	0–254 Closed 255–255 Open
7	Dimmer Fine	0	Fine byte of Dimmer
8	Shutter / Strobe	24	0–19 Closed 20–24 Open 25–44 Strobe · Min 12–6.64 Hz 45–63 Strobe · Center 6.36–1.28 Hz 64–64 Strobe · Max 1 Hz 65–69 NoFeature 1 70–76 Strobe 100-0% · Min 12–7.29 Hz 77–83 Strobe 100-0% · Center 6.5–1.79 Hz 84–84 Strobe 100-0% · Max 1 Hz 85–89 NoFeature 90–96 Strobe 0-100% · Min 12–7.29 Hz 97–103 Strobe 0-100% · Center 6.5–1.79 Hz 104–104 Strobe 0-100% · Max 1 Hz 105–109 NoFeature2 110–116 Random strobe · Min 12–7.29 Hz 117–123 Random strobe · Center 6.5–1.79 Hz 124–124 Random strobe · Max 1 Hz 125–129 NoFeature3 130–136 Random strobe 100-0% · Min 12–7.29 Hz 137–143 Random strobe 100-0% · Center 6.5–1.79 Hz 144–144 Random strobe 100-0% · Max 1 Hz 145–149 NoFeature4 150–156 Random strobe 0-100% · Min 12–7.29 Hz 157–163 Random strobe 0-100% · Center 6.5–1.79 Hz 164–164 Random strobe 0-100% · Max 1 Hz 165–169 NoFeature5 170–176 Pulse strobe · Min 9–5.57 Hz 177–183 Pulse strobe · Center 5–1.57 Hz 184–184 Pulse strobe · Max 1 Hz 185–189 NoFeature6 190–196 Random pulse strobe · Min 9–5.57 Hz 197–203 Random pulse strobe · Center 5–1.57 Hz 204–204 Random pulse strobe · Max 1 Hz 205–209 NoFeature7 210–216 Strobe 100-0-100% · Min 12–7.29 Hz 217–223 Strobe 100-0-100% · Center 6.5–1.79 Hz 224–224 Strobe 100-0-100% · Max 1 Hz 225–229 NoFeature8 230–236 Random inverse pulse strobe · Min 9–5.57 Hz 237–243 Random inverse pulse strobe · Center 5–1.57 Hz 244–244 Random inverse pulse strobe · Max 1 Hz 255–255 Open
9	Red	255	
10	Red Fine	255	Fine byte of Red
11	Green	255	
12	Green Fine	255	Fine byte of Green
13	Blue	255	
14	Blue Fine	255	Fine byte of Blue
15	White	255	

22ch (continued)

Ch	Function	Default	DMX values
16	White Fine	255	Fine byte of White
17	Color Wheel	0	0–4 No function 5–9 Color 1 10–14 Color 2 15–19 Color 3 20–24 Color 4 25–29 Color 5 30–34 Color 6 35–39 Color 7 40–44 Color 8 45–49 Color 9 50–54 Color 10 55–59 Color 11 60–64 Color 12 65–69 Color 13 70–74 Color 14 75–79 Color 15 80–84 Color 16 85–89 Color 17 90–94 Color 18 95–99 Color 19 100–104 Color 20 105–109 Color 21 110–114 Color 22 115–119 Color 23 120–124 Color 24 125–129 Color 25 130–134 Color 26 135–139 Color 27 140–144 Color 28 145–149 Color 29 150–154 Color 30 155–159 Color 31 160–164 Color 32 165–169 Color 33 170–174 Color 34 175–179 No function 180–201 Color fade fast to slow 202–207 Stop 208–229 Reverse color fade fast to slow 230–234 No function 235–249 Color jump fast to slow 250–255 No function

22ch (continued)

Ch	Function	Default	DMX values
18	Gobo	0	0–7 Zone 1 2 3 4 5 8–15 Zone 1 2 3 4 16–23 Zone 1 2 3 24–31 Zone 1 2 32–39 Zone 1 40–47 No zones 48–55 Zone 5 56–63 Zone 4 5 64–71 Zone 3 4 5 72–79 Zone 2 3 4 5 80–87 Zone 1 2 3 4 5 88–95 Zone 5 96–103 Zone 4 104–111 Zone 3 112–119 Zone 2 120–127 Zone 1 128–135 Zone 4 5 136–143 Zone 3 4 144–151 Zone 2 3 152–159 Zone 1 2 160–167 Zone 1 5 168–175 Zone 3 4 5 176–183 Zone 2 3 4 184–191 Zone 1 2 3 192–199 Zone 1 2 5 200–207 Zone 1 4 5 208–215 Zone 2 3 4 5 216–223 Zone 1 2 3 4 224–231 Zone 1 2 3 5 232–239 Zone 1 2 4 5 240–247 Zone 1 3 4 5 248–255 Zone 1 2 3 4 5

22ch (continued)

Ch	Function	Default	DMX values
19	Effect	0	0–15 No function 16–20 LED Macro 1 21–25 LED Macro 2 26–30 LED Macro 3 31–35 LED Macro 4 36–40 LED Macro 5 41–45 LED Macro 6 46–50 LED Macro 7 51–55 LED Macro 8 56–60 LED Macro 9 61–65 LED Macro 10 66–70 LED Macro 11 71–75 LED Macro 12 76–80 LED Macro 13 81–85 LED Macro 14 86–90 LED Macro 15 91–95 LED Macro 16 96–100 LED Macro 17 101–105 LED Macro 18 106–110 LED Macro 19 111–115 LED Macro 20 116–120 LED Macro 21 121–125 LED Macro 22 126–130 LED Macro 23 131–135 LED Macro 24 136–140 LED Color Macro 1 141–145 LED Color Macro 2 146–150 LED Color Macro 3 151–155 LED Color Macro 4 156–160 LED Color Macro 5 161–165 LED Color Macro 6 166–170 LED Color Macro 7 171–175 LED Color Macro 8 176–180 LED Color Macro 9 181–185 LED Color Macro 10 186–190 LED Color Macro 11 191–195 LED Color Macro 12 196–200 LED Color Macro 13 201–205 LED Color Macro 14 206–210 LED Color Macro 15 211–215 LED Color Macro 16 216–220 LED Color Macro 17 221–225 LED Color Macro 18 226–230 LED Color Macro 19 231–235 LED Color Macro 20 236–240 LED Color Macro 21 241–245 LED Color Macro 22 246–250 LED Color Macro 23 251–255 LED Color Macro 24
20	Effect Speed	128	
21	Zoom	128	0–126 Narrow 127–254 Center 255–255 Wide

22ch (continued)

Ch	Function	Default	DMX values
22	Control1	0	0–9 No function 10–14 Blackout on pan/tilt 15–49 Reserved for future use 50–54 Reset pan 55–59 Reset tilt 60–64 Reset zoom 65–69 Reserved for future use 70–74 Reset all 75–99 Reserved for future use 100–104 Tilt range 260 105–109 Tilt range 180 110–114 Tilt range 90 115–119 Tilt range 230 120–124 Fan mode ECO 125–129 Fan mode Full 130–134 Fan mode Auto 135–139 Fast dimmer 140–144 Smooth dimmer 145–149 Linear dimmer curve 150–154 Square dimmer curve 155–159 Inverse square dimmer curve 160–164 S-curve dimmer curve 165–169 White mode 170–174 Full mode 175–179 Color calibration off when single color 180–184 Color calibration on when single color 185–239 No function 240–247 Color calibration on 248–250 Color calibration off 251–255 No function

23ch

23 channels

Ch	Function	Default	DMX values
1	Pan	85	
2	Pan Fine	85	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Dimmer	0	0–254 Closed 255–255 Open
7	Dimmer Fine	0	Fine byte of Dimmer

23ch (continued)

Ch	Function	Default	DMX values
8	Shutter / Strobe	24	0–19 Closed 20–24 Open 25–44 Strobe · Min 12–6.64 Hz 45–63 Strobe · Center 6.36–1.28 Hz 64–64 Strobe · Max 1 Hz 65–69 NoFeature 1 70–76 Strobe 100-0% · Min 12–7.29 Hz 77–83 Strobe 100-0% · Center 6.5–1.79 Hz 84–84 Strobe 100-0% · Max 1 Hz 85–89 NoFeature 90–96 Strobe 0-100% · Min 12–7.29 Hz 97–103 Strobe 0-100% · Center 6.5–1.79 Hz 104–104 Strobe 0-100% · Max 1 Hz 105–109 NoFeature2 110–116 Random strobe · Min 12–7.29 Hz 117–123 Random strobe · Center 6.5–1.79 Hz 124–124 Random strobe · Max 1 Hz 125–129 NoFeature3 130–136 Random strobe 100-0% · Min 12–7.29 Hz 137–143 Random strobe 100-0% · Center 6.5–1.79 Hz 144–144 Random strobe 100-0% · Max 1 Hz 145–149 NoFeature4 150–156 Random strobe 0-100% · Min 12–7.29 Hz 157–163 Random strobe 0-100% · Center 6.5–1.79 Hz 164–164 Random strobe 0-100% · Max 1 Hz 165–169 NoFeature5 170–176 Pulse strobe · Min 9–5.57 Hz 177–183 Pulse strobe · Center 5–1.57 Hz 184–184 Pulse strobe · Max 1 Hz 185–189 NoFeature6 190–196 Random pulse strobe · Min 9–5.57 Hz 197–203 Random pulse strobe · Center 5–1.57 Hz 204–204 Random pulse strobe · Max 1 Hz 205–209 NoFeature7 210–216 Strobe 100-0-100% · Min 12–7.29 Hz 217–223 Strobe 100-0-100% · Center 6.5–1.79 Hz 224–224 Strobe 100-0-100% · Max 1 Hz 225–229 NoFeature8 230–236 Random inverse pulse strobe · Min 9–5.57 Hz 237–243 Random inverse pulse strobe · Center 5–1.57 Hz 244–244 Random inverse pulse strobe · Max 1 Hz 255–255 Open
9	C TC	0	0–0 No function 1–255 2800K - 10000K
10	Red	255	
11	Red Fine	255	Fine byte of Red
12	Green	255	
13	Green Fine	255	Fine byte of Green
14	Blue	255	
15	Blue Fine	255	Fine byte of Blue
16	White	255	
17	White Fine	255	Fine byte of White

23ch (continued)

Ch	Function	Default	DMX values
18	Color Wheel	0	0–4 No function 5–9 Color 1 10–14 Color 2 15–19 Color 3 20–24 Color 4 25–29 Color 5 30–34 Color 6 35–39 Color 7 40–44 Color 8 45–49 Color 9 50–54 Color 10 55–59 Color 11 60–64 Color 12 65–69 Color 13 70–74 Color 14 75–79 Color 15 80–84 Color 16 85–89 Color 17 90–94 Color 18 95–99 Color 19 100–104 Color 20 105–109 Color 21 110–114 Color 22 115–119 Color 23 120–124 Color 24 125–129 Color 25 130–134 Color 26 135–139 Color 27 140–144 Color 28 145–149 Color 29 150–154 Color 30 155–159 Color 31 160–164 Color 32 165–169 Color 33 170–174 Color 34 175–179 No function 180–201 Color fade fast to slow 202–207 Stop 208–229 Reverse color fade fast to slow 230–234 No function 235–249 Color jump fast to slow 250–255 No function

23ch (continued)

Ch	Function	Default	DMX values
19	Gobo	0	0–7 Zone 1 2 3 4 5 8–15 Zone 1 2 3 4 16–23 Zone 1 2 3 24–31 Zone 1 2 32–39 Zone 1 40–47 No zones 48–55 Zone 5 56–63 Zone 4 5 64–71 Zone 3 4 5 72–79 Zone 2 3 4 5 80–87 Zone 1 2 3 4 5 88–95 Zone 5 96–103 Zone 4 104–111 Zone 3 112–119 Zone 2 120–127 Zone 1 128–135 Zone 4 5 136–143 Zone 3 4 144–151 Zone 2 3 152–159 Zone 1 2 160–167 Zone 1 5 168–175 Zone 3 4 5 176–183 Zone 2 3 4 184–191 Zone 1 2 3 192–199 Zone 1 2 5 200–207 Zone 1 4 5 208–215 Zone 2 3 4 5 216–223 Zone 1 2 3 4 224–231 Zone 1 2 3 5 232–239 Zone 1 2 4 5 240–247 Zone 1 3 4 5 248–255 Zone 1 2 3 4 5

23ch (continued)

Ch	Function	Default	DMX values
20	Effect	0	0–15 No function 16–20 LED Macro 1 21–25 LED Macro 2 26–30 LED Macro 3 31–35 LED Macro 4 36–40 LED Macro 5 41–45 LED Macro 6 46–50 LED Macro 7 51–55 LED Macro 8 56–60 LED Macro 9 61–65 LED Macro 10 66–70 LED Macro 11 71–75 LED Macro 12 76–80 LED Macro 13 81–85 LED Macro 14 86–90 LED Macro 15 91–95 LED Macro 16 96–100 LED Macro 17 101–105 LED Macro 18 106–110 LED Macro 19 111–115 LED Macro 20 116–120 LED Macro 21 121–125 LED Macro 22 126–130 LED Macro 23 131–135 LED Macro 24 136–140 LED Color Macro 1 141–145 LED Color Macro 2 146–150 LED Color Macro 3 151–155 LED Color Macro 4 156–160 LED Color Macro 5 161–165 LED Color Macro 6 166–170 LED Color Macro 7 171–175 LED Color Macro 8 176–180 LED Color Macro 9 181–185 LED Color Macro 10 186–190 LED Color Macro 11 191–195 LED Color Macro 12 196–200 LED Color Macro 13 201–205 LED Color Macro 14 206–210 LED Color Macro 15 211–215 LED Color Macro 16 216–220 LED Color Macro 17 221–225 LED Color Macro 18 226–230 LED Color Macro 19 231–235 LED Color Macro 20 236–240 LED Color Macro 21 241–245 LED Color Macro 22 246–250 LED Color Macro 23 251–255 LED Color Macro 24
21	Effect Speed	128	
22	Zoom	128	0–126 Narrow 127–254 Center 255–255 Wide

23ch (continued)

Ch	Function	Default	DMX values
23	Control1	0	0–9 No function 10–14 Blackout on pan/tilt 15–49 Reserved for future use 50–54 Reset pan 55–59 Reset tilt 60–64 Reset zoom 65–69 Reserved for future use 70–74 Reset all 75–99 Reserved for future use 100–104 Tilt range 260 105–109 Tilt range 180 110–114 Tilt range 90 115–119 Tilt range 230 120–124 Fan mode ECO 125–129 Fan mode Full 130–134 Fan mode Auto 135–139 Fast dimmer 140–144 Smooth dimmer 145–149 Linear dimmer curve 150–154 Square dimmer curve 155–159 Inverse square dimmer curve 160–164 S-curve dimmer curve 165–169 White mode 170–174 Full mode 175–179 Color calibration off when single color 180–184 Color calibration on when single color 185–239 No function 240–247 Color calibration on 248–250 Color calibration off 251–255 No function

54ch

54 channels

Ch	Function	Default	DMX values
1	Pan	85	
2	Pan Fine	85	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Dimmer	0	0–254 Closed 255–255 Open
7	Dimmer Fine	0	Fine byte of Dimmer

54ch (continued)

Ch	Function	Default	DMX values
8	Shutter / Strobe	24	0–19 Closed 20–24 Open 25–44 Strobe · Min 12–6.64 Hz 45–63 Strobe · Center 6.36–1.28 Hz 64–64 Strobe · Max 1 Hz 65–69 NoFeature 1 70–76 Strobe 100-0% · Min 12–7.29 Hz 77–83 Strobe 100-0% · Center 6.5–1.79 Hz 84–84 Strobe 100-0% · Max 1 Hz 85–89 NoFeature 90–96 Strobe 0-100% · Min 12–7.29 Hz 97–103 Strobe 0-100% · Center 6.5–1.79 Hz 104–104 Strobe 0-100% · Max 1 Hz 105–109 NoFeature2 110–116 Random strobe · Min 12–7.29 Hz 117–123 Random strobe · Center 6.5–1.79 Hz 124–124 Random strobe · Max 1 Hz 125–129 NoFeature3 130–136 Random strobe 100-0% · Min 12–7.29 Hz 137–143 Random strobe 100-0% · Center 6.5–1.79 Hz 144–144 Random strobe 100-0% · Max 1 Hz 145–149 NoFeature4 150–156 Random strobe 0-100% · Min 12–7.29 Hz 157–163 Random strobe 0-100% · Center 6.5–1.79 Hz 164–164 Random strobe 0-100% · Max 1 Hz 165–169 NoFeature5 170–176 Pulse strobe · Min 9–5.57 Hz 177–183 Pulse strobe · Center 5–1.57 Hz 184–184 Pulse strobe · Max 1 Hz 185–189 NoFeature6 190–196 Random pulse strobe · Min 9–5.57 Hz 197–203 Random pulse strobe · Center 5–1.57 Hz 204–204 Random pulse strobe · Max 1 Hz 205–209 NoFeature7 210–216 Strobe 100-0-100% · Min 12–7.29 Hz 217–223 Strobe 100-0-100% · Center 6.5–1.79 Hz 224–224 Strobe 100-0-100% · Max 1 Hz 225–229 NoFeature8 230–236 Random inverse pulse strobe · Min 9–5.57 Hz 237–243 Random inverse pulse strobe · Center 5–1.57 Hz 244–244 Random inverse pulse strobe · Max 1 Hz 255–255 Open
9	Red	255	
10	Red Fine	255	Fine byte of Red
11	Green	255	
12	Green Fine	255	Fine byte of Green
13	Blue	255	
14	Blue Fine	255	Fine byte of Blue
15	White	255	
16	White Fine	255	Fine byte of White
17	Red	255	
18	Red Fine	255	Fine byte of Red
19	Green	255	
20	Green Fine	255	Fine byte of Green
21	Blue	255	
22	Blue Fine	255	Fine byte of Blue
23	White	255	

54ch (continued)

Ch	Function	Default	DMX values
24	White Fine	255	Fine byte of White
25	Red	255	
26	Red Fine	255	Fine byte of Red
27	Green	255	
28	Green Fine	255	Fine byte of Green
29	Blue	255	
30	Blue Fine	255	Fine byte of Blue
31	White	255	
32	White Fine	255	Fine byte of White
33	Red	255	
34	Red Fine	255	Fine byte of Red
35	Green	255	
36	Green Fine	255	Fine byte of Green
37	Blue	255	
38	Blue Fine	255	Fine byte of Blue
39	White	255	
40	White Fine	255	Fine byte of White
41	Red	255	
42	Red Fine	255	Fine byte of Red
43	Green	255	
44	Green Fine	255	Fine byte of Green
45	Blue	255	
46	Blue Fine	255	Fine byte of Blue
47	White	255	
48	White Fine	255	Fine byte of White

54ch (continued)

Ch	Function	Default	DMX values
49	Color Wheel	0	0–4 No function 5–9 Color 1 10–14 Color 2 15–19 Color 3 20–24 Color 4 25–29 Color 5 30–34 Color 6 35–39 Color 7 40–44 Color 8 45–49 Color 9 50–54 Color 10 55–59 Color 11 60–64 Color 12 65–69 Color 13 70–74 Color 14 75–79 Color 15 80–84 Color 16 85–89 Color 17 90–94 Color 18 95–99 Color 19 100–104 Color 20 105–109 Color 21 110–114 Color 22 115–119 Color 23 120–124 Color 24 125–129 Color 25 130–134 Color 26 135–139 Color 27 140–144 Color 28 145–149 Color 29 150–154 Color 30 155–159 Color 31 160–164 Color 32 165–169 Color 33 170–174 Color 34 175–179 No function 180–201 Color fade fast to slow 202–207 Stop 208–229 Reverse color fade fast to slow 230–234 No function 235–249 Color jump fast to slow 250–255 No function

54ch (continued)

Ch	Function	Default	DMX values
50	Gobo	0	0–7 Zone 1 2 3 4 5 8–15 Zone 1 2 3 4 16–23 Zone 1 2 3 24–31 Zone 1 2 32–39 Zone 1 40–47 No zones 48–55 Zone 5 56–63 Zone 4 5 64–71 Zone 3 4 5 72–79 Zone 2 3 4 5 80–87 Zone 1 2 3 4 5 88–95 Zone 5 96–103 Zone 4 104–111 Zone 3 112–119 Zone 2 120–127 Zone 1 128–135 Zone 4 5 136–143 Zone 3 4 144–151 Zone 2 3 152–159 Zone 1 2 160–167 Zone 1 5 168–175 Zone 3 4 5 176–183 Zone 2 3 4 184–191 Zone 1 2 3 192–199 Zone 1 2 5 200–207 Zone 1 4 5 208–215 Zone 2 3 4 5 216–223 Zone 1 2 3 4 224–231 Zone 1 2 3 5 232–239 Zone 1 2 4 5 240–247 Zone 1 3 4 5 248–255 Zone 1 2 3 4 5

54ch (continued)

Ch	Function	Default	DMX values
51	Effect	0	0–15 No function 16–20 LED Macro 1 21–25 LED Macro 2 26–30 LED Macro 3 31–35 LED Macro 4 36–40 LED Macro 5 41–45 LED Macro 6 46–50 LED Macro 7 51–55 LED Macro 8 56–60 LED Macro 9 61–65 LED Macro 10 66–70 LED Macro 11 71–75 LED Macro 12 76–80 LED Macro 13 81–85 LED Macro 14 86–90 LED Macro 15 91–95 LED Macro 16 96–100 LED Macro 17 101–105 LED Macro 18 106–110 LED Macro 19 111–115 LED Macro 20 116–120 LED Macro 21 121–125 LED Macro 22 126–130 LED Macro 23 131–135 LED Macro 24 136–140 LED Color Macro 1 141–145 LED Color Macro 2 146–150 LED Color Macro 3 151–155 LED Color Macro 4 156–160 LED Color Macro 5 161–165 LED Color Macro 6 166–170 LED Color Macro 7 171–175 LED Color Macro 8 176–180 LED Color Macro 9 181–185 LED Color Macro 10 186–190 LED Color Macro 11 191–195 LED Color Macro 12 196–200 LED Color Macro 13 201–205 LED Color Macro 14 206–210 LED Color Macro 15 211–215 LED Color Macro 16 216–220 LED Color Macro 17 221–225 LED Color Macro 18 226–230 LED Color Macro 19 231–235 LED Color Macro 20 236–240 LED Color Macro 21 241–245 LED Color Macro 22 246–250 LED Color Macro 23 251–255 LED Color Macro 24
52	Effect Speed	128	
53	Zoom	128	0–126 Narrow 127–254 Center 255–255 Wide

54ch (continued)

Ch	Function	Default	DMX values
54	Control1	0	0–9 No function 10–14 Blackout on pan/tilt 15–49 Reserved for future use 50–54 Reset pan 55–59 Reset tilt 60–64 Reset zoom 65–69 Reserved for future use 70–74 Reset all 75–79 No function 80–84 Reverse pan and tilt movement 85–89 Reverse pan movement 90–94 Reverse tilt movement 95–99 Normal pan movement 100–104 Normal tilt movement 105–109 Normal pan and tilt movement 110–119 No function 120–124 Fan ECO mode 125–129 Fan full speed 130–134 Fan auto mode 135–139 Fast dimmer 140–144 Smooth dimmer 145–149 Linear dimmer curve 150–154 Square dimmer curve 155–159 Inverse square dimmer curve 160–164 S-curve dimmer curve 165–169 White mode on 170–174 White mode off 175–255 No function