Robert Juliat

654SX 4C



Manufacturer	**Robert Juliat**
Type	**Profile spot**
DMX modes	**6**
DMX footprint	**1, 6, 20, 22, 24 channels**
Beam angle	**15-35°**
Pan range	**360°**
Tilt range	**153°**
Size (W × H × D)	**391 × 696 × 389 mm**
GDTF fixture type	**D36BC615-8E2F-4C7E-8DC9-43…**

Controls

Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Dimmer

Safety-relevant functions

Fixture reset

DMX modes

Dimmer 8B	1 ch
Profile 16B	6 ch
Full HS	20 ch
Full xy	20 ch
Full RGB	22 ch
Full RAW	24 ch

Dimmer 8B

1 channel

Ch	Function	Default	DMX values
1	Dimmer	0	

Profile 16B

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Strobe Duration	0	0–0 OFF 1–255 Strob duration
4	Strobe Rate	0	
5	Response Time	0	0–0 Default 1–127 Tungsten 128–191 Linear 192–255 Linear / Flash by-passEmpty Channel Set
6	Control1	0	0–0 OFF 1–10 RDM diseabled 11–20 RDM enabled 21–30 Fixture reset 31–40 Dimmer Curve Linear 41–50 Dimmer Curve Square 51–60 Dimmer Curve Tungsten 61–70 Colour Space Native 71–80 Colour Space sRGB - Rec 709 81–90 Colour Space Rec 2020 91–100 Colour Space ProPhoto RGB 101–110 Cooling mode: Silent 111–120 Cooling mode: Normal 121–130 Cooling mode: Full power 131–255 Not used

Full HS

20 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Strobe Duration	0	0–0 OFF 1–255 Strob duration
4	Strobe Rate	0	
5	Response Time	0	0–0 Default 1–127 Tungsten 128–191 Linear 192–255 Linear / Flash by-passEmpty Channel Set

Full HS (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–0 OFF 1–10 RDM diseabled 11–20 RDM enabled 21–30 Fixture reset 31–40 Dimmer Curve Linear 41–50 Dimmer Curve Square 51–60 Dimmer Curve Tungsten 61–70 Colour Space Native 71–80 Colour Space sRGB - Rec 709 81–90 Colour Space Rec 2020 91–100 Colour Space ProPhoto RGB 101–110 Cooling mode: Silent 111–120 Cooling mode: Normal 121–130 Cooling mode: Full power 131–255 Not used
7	Source Type	0	0–10 Tungsten 3200K - DimShift 11–20 Tungsten 3000K - DimShift 21–30 Tungsten 3200K 31–40 Tungsten 3000K 41–100 Daylight D65 101–110 Generic CCT - High Quality 111–120 Generic CCT - High Brightness 121–130 Generic CCT - High Quality - DimShift 131–200 Generic CCT - High Brightness - DimShift 201–210 Colour Mix - High Quality 211–255 Colour Mix - High Brightness
8	Gel Type	0	0–4 Basics 5–9 Numeric: 002 --> 111 10–14 Numeric: 113 --> 181 15–19 Numeric: 182 --> 328 20–24 Numeric: 332 --> 710 25–29 Numeric: 711 --> 799 30–34 Chroma: 048 --> 719 35–39 Chroma: 711 --> 504 40–44 Chroma: 730--> 007 45–49 Chroma: 765 --> 789 50–54 Chroma: 787 --> 344 55–59 Cosmetic - Corrections 60–64 Dalis selection 65–255 NoFeature

Full HS (continued)

Ch	Function	Default	DMX values
9	Color Wheel	0	0–4 Open (wheel slot 1) 5–9 #2 (wheel slot 2) 10–14 #7 (wheel slot 3) 15–19 #26 (wheel slot 4) 20–24 #27 (wheel slot 5) 25–29 #35 (wheel slot 6) 30–34 #48 (wheel slot 7) 35–39 #88 (wheel slot 8) 40–44 #100 (wheel slot 9) 45–49 #101 (wheel slot 10) 50–54 #105 (wheel slot 11) 55–59 #106 (wheel slot 12) 60–64 #108 (wheel slot 13) 65–69 #115 (wheel slot 14) 70–74 #116 (wheel slot 15) 75–79 #117 (wheel slot 16) 80–84 #118 (wheel slot 17) 85–89 #119 (wheel slot 18) 90–94 #120 (wheel slot 19) 95–99 #122 (wheel slot 20) 100–104 #124 (wheel slot 21) 105–109 #126 (wheel slot 22) 110–114 #128 (wheel slot 23) 115–119 #131 (wheel slot 24) 120–124 #135 (wheel slot 25) 125–129 #138 (wheel slot 26) 130–134 #139 (wheel slot 27) 135–139 #141 (wheel slot 28) 140–144 #144 (wheel slot 29) 145–149 #153 (wheel slot 30) 150–154 #157 (wheel slot 31) 155–159 #164 (wheel slot 32) 160–164 #174 (wheel slot 33) 165–169 #176 (wheel slot 34) 170–174 #179 (wheel slot 35) 175–179 #180 (wheel slot 36) 180–184 #181 (wheel slot 37) 185–189 #182 (wheel slot 38) 190–194 #200 (wheel slot 39) 195–199 #201 (wheel slot 40) 200–204 #202 (wheel slot 41) 205–209 #203 (wheel slot 42) 210–214 #204 (wheel slot 43) 215–219 #205 (wheel slot 44) 220–224 #206 (wheel slot 45) 225–229 #219 (wheel slot 46) 230–234 #244 (wheel slot 47) 235–239 #245 (wheel slot 48) 240–244 #332 (wheel slot 49) 245–249 #702 (wheel slot 50) 250–254 #738 (wheel slot 51) 255–255 Open
10	Saturation	0	
11	Transmission	0	
12	Fade Time	0	
13	Fade Mode	0	0–10 Direct XY + Limit Brightness 11–20 Direct XY 21–30 Open Frame + Limit Brightness 31–40 Open Frame 41–50 Through Black 51–255 Reserved / Off (0 s)

Full HS (continued)

Ch	Function	Default	DMX values
14	C TC	0	
15	C TC Fine	0	Fine byte of C TC
16	Tint	127	0–126 Minus green 127–127 Black Body curve 128–255 Plus Magenta
17	H SBHue	0	
18	H SBHue Fine	0	Fine byte of H SBHue
19	H SBSaturation	0	
20	H SBSaturation Fine	0	Fine byte of H SBSaturation

Full xy

20 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Strobe Duration	0	0–0 OFF 1–255 Strob duration
4	Strobe Rate	0	
5	Response Time	0	0–0 Default 1–127 Tungsten 128–191 Linear 192–255 Linear / Flash by-passEmpty Channel Set
6	Control1	0	0–0 OFF 1–10 RDM diseabled 11–20 RDM enabled 21–30 Fixture reset 31–40 Dimmer Curve Linear 41–50 Dimmer Curve Square 51–60 Dimmer Curve Tungsten 61–70 Colour Space Native 71–80 Colour Space sRGB - Rec 709 81–90 Colour Space Rec 2020 91–100 Colour Space ProPhoto RGB 101–110 Cooling mode: Silent 111–120 Cooling mode: Normal 121–130 Cooling mode: Full power 131–255 Not used
7	Source Type	0	0–10 Tungsten 3200K - DimShift 11–20 Tungsten 3000K - DimShift 21–30 Tungsten 3200K 31–40 Tungsten 3000K 41–100 Daylight D65 101–110 Generic CCT - High Quality 111–120 Generic CCT - High Brightness 121–130 Generic CCT - High Quality - DimShift 131–200 Generic CCT - High Brightness - DimShift 201–210 Colour Mix - High Quality 211–255 Colour Mix - High Brightness

Full xy (continued)

Ch	Function	Default	DMX values
8	Gel Type	0	0–4 Basics 5–9 Numeric: 002 --> 111 10–14 Numeric: 113 --> 181 15–19 Numeric: 182 --> 328 20–24 Numeric: 332 --> 710 25–29 Numeric: 711 --> 799 30–34 Chroma: 048 --> 719 35–39 Chroma: 711 --> 504 40–44 Chroma: 730--> 007 45–49 Chroma: 765 --> 789 50–54 Chroma: 787 --> 344 55–59 Cosmetic - Corrections 60–64 Dalis selection 65–255 NoFeature

Full xy (continued)

Ch	Function	Default	DMX values
9	Color Wheel	0	0–4 Open (wheel slot 1) 5–9 #2 (wheel slot 2) 10–14 #7 (wheel slot 3) 15–19 #26 (wheel slot 4) 20–24 #27 (wheel slot 5) 25–29 #35 (wheel slot 6) 30–34 #48 (wheel slot 7) 35–39 #88 (wheel slot 8) 40–44 #100 (wheel slot 9) 45–49 #101 (wheel slot 10) 50–54 #105 (wheel slot 11) 55–59 #106 (wheel slot 12) 60–64 #108 (wheel slot 13) 65–69 #115 (wheel slot 14) 70–74 #116 (wheel slot 15) 75–79 #117 (wheel slot 16) 80–84 #118 (wheel slot 17) 85–89 #119 (wheel slot 18) 90–94 #120 (wheel slot 19) 95–99 #122 (wheel slot 20) 100–104 #124 (wheel slot 21) 105–109 #126 (wheel slot 22) 110–114 #128 (wheel slot 23) 115–119 #131 (wheel slot 24) 120–124 #135 (wheel slot 25) 125–129 #138 (wheel slot 26) 130–134 #139 (wheel slot 27) 135–139 #141 (wheel slot 28) 140–144 #144 (wheel slot 29) 145–149 #153 (wheel slot 30) 150–154 #157 (wheel slot 31) 155–159 #164 (wheel slot 32) 160–164 #174 (wheel slot 33) 165–169 #176 (wheel slot 34) 170–174 #179 (wheel slot 35) 175–179 #180 (wheel slot 36) 180–184 #181 (wheel slot 37) 185–189 #182 (wheel slot 38) 190–194 #200 (wheel slot 39) 195–199 #201 (wheel slot 40) 200–204 #202 (wheel slot 41) 205–209 #203 (wheel slot 42) 210–214 #204 (wheel slot 43) 215–219 #205 (wheel slot 44) 220–224 #206 (wheel slot 45) 225–229 #219 (wheel slot 46) 230–234 #244 (wheel slot 47) 235–239 #245 (wheel slot 48) 240–244 #332 (wheel slot 49) 245–249 #702 (wheel slot 50) 250–254 #738 (wheel slot 51) 255–255 Open
10	Saturation	0	
11	Transmission	0	
12	Fade Time	0	
13	Fade Mode	0	0–10 Direct XY + Limit Brightness 11–20 Direct XY 21–30 Open Frame + Limit Brightness 31–40 Open Frame 41–50 Through Black 51–255 Reserved / Off (0 s)

Full xy (continued)

Ch	Function	Default	DMX values
14	C TC	0	
15	C TC Fine	0	Fine byte of C TC
16	Tint	127	0–126 Minus green 127–127 Black Body curve 128–255 Plus Magenta
17	C IEX	99	
18	C IEX Fine	99	Fine byte of C IEX
19	C IEY	99	
20	C IEY Fine	99	Fine byte of C IEY

Full RGB

22 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Strobe Duration	0	0–0 OFF 1–255 Strob duration
4	Strobe Rate	0	
5	Response Time	0	0–0 Default 1–127 Tungsten 128–191 Linear 192–255 Linear / Flash by-passEmpty Channel Set
6	Control1	0	0–0 OFF 1–10 RDM diseabled 11–20 RDM enabled 21–30 Fixture reset 31–40 Dimmer Curve Linear 41–50 Dimmer Curve Square 51–60 Dimmer Curve Tungsten 61–70 Colour Space Native 71–80 Colour Space sRGB - Rec 709 81–90 Colour Space Rec 2020 91–100 Colour Space ProPhoto RGB 101–110 Cooling mode: Silent 111–120 Cooling mode: Normal 121–130 Cooling mode: Full power 131–255 Not used
7	Source Type	0	0–10 Tungsten 3200K - DimShift 11–20 Tungsten 3000K - DimShift 21–30 Tungsten 3200K 31–40 Tungsten 3000K 41–100 Daylight D65 101–110 Generic CCT - High Quality 111–120 Generic CCT - High Brightness 121–130 Generic CCT - High Quality - DimShift 131–200 Generic CCT - High Brightness - DimShift 201–210 Colour Mix - High Quality 211–255 Colour Mix - High Brightness

Full RGB (continued)

Ch	Function	Default	DMX values
8	Gel Type	0	0–4 Basics 5–9 Numeric: 002 --> 111 10–14 Numeric: 113 --> 181 15–19 Numeric: 182 --> 328 20–24 Numeric: 332 --> 710 25–29 Numeric: 711 --> 799 30–34 Chroma: 048 --> 719 35–39 Chroma: 711 --> 504 40–44 Chroma: 730--> 007 45–49 Chroma: 765 --> 789 50–54 Chroma: 787 --> 344 55–59 Cosmetic - Corrections 60–64 Dalis selection 65–255 NoFeature

Full RGB (continued)

Ch	Function	Default	DMX values
9	Color Wheel	0	0–4 Open (wheel slot 1) 5–9 #2 (wheel slot 2) 10–14 #7 (wheel slot 3) 15–19 #26 (wheel slot 4) 20–24 #27 (wheel slot 5) 25–29 #35 (wheel slot 6) 30–34 #48 (wheel slot 7) 35–39 #88 (wheel slot 8) 40–44 #100 (wheel slot 9) 45–49 #101 (wheel slot 10) 50–54 #105 (wheel slot 11) 55–59 #106 (wheel slot 12) 60–64 #108 (wheel slot 13) 65–69 #115 (wheel slot 14) 70–74 #116 (wheel slot 15) 75–79 #117 (wheel slot 16) 80–84 #118 (wheel slot 17) 85–89 #119 (wheel slot 18) 90–94 #120 (wheel slot 19) 95–99 #122 (wheel slot 20) 100–104 #124 (wheel slot 21) 105–109 #126 (wheel slot 22) 110–114 #128 (wheel slot 23) 115–119 #131 (wheel slot 24) 120–124 #135 (wheel slot 25) 125–129 #138 (wheel slot 26) 130–134 #139 (wheel slot 27) 135–139 #141 (wheel slot 28) 140–144 #144 (wheel slot 29) 145–149 #153 (wheel slot 30) 150–154 #157 (wheel slot 31) 155–159 #164 (wheel slot 32) 160–164 #174 (wheel slot 33) 165–169 #176 (wheel slot 34) 170–174 #179 (wheel slot 35) 175–179 #180 (wheel slot 36) 180–184 #181 (wheel slot 37) 185–189 #182 (wheel slot 38) 190–194 #200 (wheel slot 39) 195–199 #201 (wheel slot 40) 200–204 #202 (wheel slot 41) 205–209 #203 (wheel slot 42) 210–214 #204 (wheel slot 43) 215–219 #205 (wheel slot 44) 220–224 #206 (wheel slot 45) 225–229 #219 (wheel slot 46) 230–234 #244 (wheel slot 47) 235–239 #245 (wheel slot 48) 240–244 #332 (wheel slot 49) 245–249 #702 (wheel slot 50) 250–254 #738 (wheel slot 51) 255–255 Open
10	Saturation	0	
11	Transmission	0	
12	Fade Time	0	
13	Fade Mode	0	0–10 Direct XY + Limit Brightness 11–20 Direct XY 21–30 Open Frame + Limit Brightness 31–40 Open Frame 41–50 Through Black 51–255 Reserved / Off (0 s)

Full RGB (continued)

Ch	Function	Default	DMX values
14	C TC	0	
15	C TC Fine	0	Fine byte of C TC
16	Tint	127	0–126 Minus green 127–127 Black Body curve 128–255 Plus Magenta
17	Red	0	
18	Red Fine	0	Fine byte of Red
19	Green	0	
20	Green Fine	0	Fine byte of Green
21	Blue	0	
22	Blue Fine	0	Fine byte of Blue

Full RAW

24 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Strobe Duration	0	0–0 OFF 1–255 Strob duration
4	Strobe Rate	0	
5	Response Time	0	0–0 Default 1–127 Tungsten 128–191 Linear 192–255 Linear / Flash by-passEmpty Channel Set
6	Control1	0	0–0 OFF 1–10 RDM diseabled 11–20 RDM enabled 21–30 Fixture reset 31–40 Dimmer Curve Linear 41–50 Dimmer Curve Square 51–60 Dimmer Curve Tungsten 61–70 Colour Space Native 71–80 Colour Space sRGB - Rec 709 81–90 Colour Space Rec 2020 91–100 Colour Space ProPhoto RGB 101–110 Cooling mode: Silent 111–120 Cooling mode: Normal 121–130 Cooling mode: Full power 131–255 Not used
7	Source Type	0	0–10 Tungsten 3200K - DimShift 11–20 Tungsten 3000K - DimShift 21–30 Tungsten 3200K 31–40 Tungsten 3000K 41–100 Daylight D65 101–110 Generic CCT - High Quality 111–120 Generic CCT - High Brightness 121–130 Generic CCT - High Quality - DimShift 131–200 Generic CCT - High Brightness - DimShift 201–210 Colour Mix - High Quality 211–255 Colour Mix - High Brightness

Full RAW (continued)

Ch	Function	Default	DMX values
8	Gel Type	0	0–4 Basics 5–9 Numeric: 002 --> 111 10–14 Numeric: 113 --> 181 15–19 Numeric: 182 --> 328 20–24 Numeric: 332 --> 710 25–29 Numeric: 711 --> 799 30–34 Chroma: 048 --> 719 35–39 Chroma: 711 --> 504 40–44 Chroma: 730--> 007 45–49 Chroma: 765 --> 789 50–54 Chroma: 787 --> 344 55–59 Cosmetic - Corrections 60–64 Dalis selection 65–255 NoFeature

Full RAW (continued)

Ch	Function	Default	DMX values
9	Color Wheel	0	0–4 Open (wheel slot 1) 5–9 #2 (wheel slot 2) 10–14 #7 (wheel slot 3) 15–19 #26 (wheel slot 4) 20–24 #27 (wheel slot 5) 25–29 #35 (wheel slot 6) 30–34 #48 (wheel slot 7) 35–39 #88 (wheel slot 8) 40–44 #100 (wheel slot 9) 45–49 #101 (wheel slot 10) 50–54 #105 (wheel slot 11) 55–59 #106 (wheel slot 12) 60–64 #108 (wheel slot 13) 65–69 #115 (wheel slot 14) 70–74 #116 (wheel slot 15) 75–79 #117 (wheel slot 16) 80–84 #118 (wheel slot 17) 85–89 #119 (wheel slot 18) 90–94 #120 (wheel slot 19) 95–99 #122 (wheel slot 20) 100–104 #124 (wheel slot 21) 105–109 #126 (wheel slot 22) 110–114 #128 (wheel slot 23) 115–119 #131 (wheel slot 24) 120–124 #135 (wheel slot 25) 125–129 #138 (wheel slot 26) 130–134 #139 (wheel slot 27) 135–139 #141 (wheel slot 28) 140–144 #144 (wheel slot 29) 145–149 #153 (wheel slot 30) 150–154 #157 (wheel slot 31) 155–159 #164 (wheel slot 32) 160–164 #174 (wheel slot 33) 165–169 #176 (wheel slot 34) 170–174 #179 (wheel slot 35) 175–179 #180 (wheel slot 36) 180–184 #181 (wheel slot 37) 185–189 #182 (wheel slot 38) 190–194 #200 (wheel slot 39) 195–199 #201 (wheel slot 40) 200–204 #202 (wheel slot 41) 205–209 #203 (wheel slot 42) 210–214 #204 (wheel slot 43) 215–219 #205 (wheel slot 44) 220–224 #206 (wheel slot 45) 225–229 #219 (wheel slot 46) 230–234 #244 (wheel slot 47) 235–239 #245 (wheel slot 48) 240–244 #332 (wheel slot 49) 245–249 #702 (wheel slot 50) 250–254 #738 (wheel slot 51) 255–255 Open
10	Saturation	0	
11	Transmission	0	
12	Fade Time	0	
13	Fade Mode	0	0–10 Direct XY + Limit Brightness 11–20 Direct XY 21–30 Open Frame + Limit Brightness 31–40 Open Frame 41–50 Through Black 51–255 Reserved / Off (0 s)

Full RAW (continued)

Ch	Function	Default	DMX values
14	C TC	0	
15	C TC Fine	0	Fine byte of C TC
16	Tint	127	0–126 Minus green 127–127 Black Body curve 128–255 Plus Magenta
17	Red	0	
18	Red Fine	0	Fine byte of Red
19	Green	0	
20	Green Fine	0	Fine byte of Green
21	Blue	0	
22	Blue Fine	0	Fine byte of Blue
23	Color Add GY	0	
24	Color Add GY Fine	0	Fine byte of Color Add GY